PART II

FOSSIL PROTOZOA

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I.—TITLES

The year of publication has been omitted where it is the same as the volume year of the "Record" (1961).

For convenience, the systematic section of the paper by Loeblich, A. R. & Tappan, H. *in* J. Paleont. 35 : 245–330 has been recorded in Section II in toto, though it contains some recent families and genera of Protozoa.

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(2); Oligocene Coccolithophoridae from Mainz, Germany, **Martini**, E. (1); Tertiary Coccolithophoridae from Austria, with references to species from Roumania and Italy, **Stradner**, H. & **Papp**, A.; Ordovician microplankton from Shropshire, England, **Downie**, C. (1); Oligocene and Miocene dinoflagellates and hystrichospheres in N.W. Germany, **Gerlach**, E.; Distribution of Lower Cretaceous dinoflagellates in Lincolnshire, England, **Hughes**, N. F.; Jurassic dinoflagellates and hystrichospheres from S.W. Germany, **Klement**, K. W.; Jurassic dinoflagellates and hystrichospheres from Yorkshire, **Sarjeant**, W. A. S. (3) & (4); Oligocene Hystrichosphaeroida from East Prussia, **Eisenack**, A. & **Gocht**, H.; Palaeontology of the Vanoise, France, **Ellenberger**, F.; Distribution of Lower Cretaceous hystrichospheres in Lincolnshire, England, **Hughes**, N. 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North Africa.—Foraminifera from Algeria, **Deleau**, P. & **Marie**, P.; Eocene *Fabiania* from Kizilcahamam, N.W. Ankara, **Dizer**, A. (2); Palaeontology of the Oulad Naïl mountains, Algeria, **Emberger**, J.; List of marine fossil Foraminifera from the Yemen, **Goerlich**, F.; Danian stage in Georgia, USSR, and related Mediterranean Province sediments, **Kacharava**, I. & **Kacharava**, M.; Microfacies in the Prerifaine and Moulouya regions of Morocco, **Rey**, M. & **Nouet**, G.; Coccoliths of the Eocene, **Manivit**, H.; Tremadocian hystrichospheres from the Sahara, **Deunff**, J. (3); Permo-Triassic hystrichospheres from Africa, **Jekhowsky**, B. de.

Sino-Soviet Region.—Cretaceous Foraminifera from Belorussia, **Akimetz**, V. S. (4); New Cretaceous Foraminifera from the Minor Caucasus, **Aliyulla**, Kh. (1); Chokrak Foraminifera of the western Pre-Caucasus, **Bogdanovich**, A. K. (2); Carboniferous Foraminifera of the Kara-Chatyr range, USSR, **Bogush**, O. I. (1); Cretaceous Rotaliidae and Epistominidae from the Caucasus, USSR, **Bukalova**, G. V. (1); Cretaceous Buliminidae and Ellipsoidinidae from the Beloi-Kuban watershed, USSR, **Bukalova**, G. V. (2); Cretaceous Foraminifera of western Siberia, **Bulatova**, Z. I. (2); Devonian Foraminifera from the Pre-Urals and the Russian Platform, **Bykova**, E. V. (1); Ordovician Foraminifera in E. Kazakhstan, **Bykova**, E. V. (3); Palaeogene Foraminifera of Ferghana, Russia, **Bykova**, N. K. (3); Danian and Palaeogene deposits in the North Mangyshlak and South Emba areas, USSR, **Bykova**, N. K. (4); Miocene Foraminifera from W. Taiwan,

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S.; Pliocene Foraminifera from Liuchiuhsu, off S.W. coast of Taiwan, **Huang**, T. (2); Smaller beach-sand Foraminifera from Pachao-Tao, Penghu Is., **Huang**, T. (4); Cretaceous Foraminifera in the S.E. Caucasus, **Ismailov**, K. A. & **Tairov**, Ch. A.; Danian stage in Georgia, USSR, and related Mediterranean Province sediments, **Kacharava**, I. & **Kacharava**, M.; Jurassic and Cretaceous Foraminifera of the Russian Platform, **Kaptarenko-Chernousova**, O. K. (3); Jurassic Foraminifera from Saratov on the Volga, **Khabarova**, T. N. (1); Valanginian—Hauterivian Foraminifera from N.E. Azerbaidjan, **Khalilov**, D. M. (3); New Eocene *Asterigerina* in Azerbaidjan, **Khalilov**, D. M. (5); Danian stage in Azerbaidjan, USSR, **Khalilov**, D. M. (6); Cretaceous Foraminifera from the eastern slope of the northern Urals, USSR, **Kipriyanova**, F. V. (1); Ecological forms of *Schwagerina* in the Bakhmut region, Don Basin, **Kiricéva**, G. 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South-West Asia (including Philippines etc.).—Pliocene smaller Foraminifera from Panay Island, Philippines, **Manalac-Samaniego**, R. & **Gonzales**, B. A.; Triassic Foraminifera from N.E. Persia, **Oberhauser**, R.; Permian fusulinids from Central Thailand, **Toriyama**, R. & **Sugi**, T.

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Alveolina d'Orbigny 1826, is a junior synonym of *Borelis* Montfort 1808, **Loeblich,** A. R. & **Tappan,** H. (**3**) ; *A.* (*Glomalveolina*) *levis* (p. 55) Palaeocene, Pyrenees ; *A.* (*G.*) *telemetensis* (p. 59) Palaeocene, Egypt ; *A.* (*G.*) *pilula* (p. 59) Palaeocene, Catalogne ; *A.* (*G.*) *subtilis* (p. 61) Ilerdian, Pyrenees ; *A.* (*Alveolina*) *moussoulensis* (p. 65) Trabet ; *A.* (*A.*) *corbarica* (p. 68) Coustouges ; *A.* (*A.*) *trempina* (p. 70) Catalogne ; *A.* (*A.*) *aramaea* (p. 72) Anatolia ; *A.* (*A.*) *solida* (p. 74) Aude ; *A.* (*A.*) *triestina* (p. 75) Italy ; *A.* (*A.*) *globula* (p. 77) Catalogne ; *A.* (*A.*) *avellana* (p. 82) Pyrenees ; **spp. n.** *A.* (*A.*) *a. aurignacensis* (p. 85) Pyrenees, **subsp. n.** *A.* (*A.*) *pisiformis* (p. 85) Trabet ; *A.* (*A.*) *leupoldi* (p. 92) Coustouge ; *A.* (*A.*) *recondita* (p. 95) Catalogne ; *A.* (*A.*) *bronneri* (p. 96) Catalogne ; *A.* (*A.*) *parva* (p. 98) Catalogne, Ilerdian ; *A.* (*A.*) *indicatrix* (p. 100) Vallegrande, *A.* (*A.*) *dainellii* (p. 101) Udine, Cuisian ; *A.* (*A.*) *palermitana* (p. 102) Sicily, Lutetian ; *A.* (*A.*) *piper* (p. 106) Catalogne, Ilerdian ; *A.* (*A.*) *minervensis* (p. 107) Minerve ; *A.* (*A.*) *aragonensis* (p. 109) Aragon ; *A.* (*A.*) *regularis* (p. 116) Anatolia ; *A.* (*A.*) *ilerdensis* (p. 119) Catalogne ; *A.* (*A.*) *variana* (p. 121) Pyrenees ; *A.* (*A.*) *laxa* (p. 127) Trieste ; Ilerdian ; *A.* (*A.*) *vicentina* (p. 131) Malo, Lutetian ; *A.* (*A.*) *rotundata* (p. 132) Catalogne, Ilerdian ; *A.* (*A.*) *cucumiformis* (p. 135) Pyrenees, Palaeocene ; **spp. n.** *A.* (*A.*) *c. tumida* (p. 139) **subsp. n.** Assignan ; *A.* (*A.*) *cylindrata* (p. 140) Catalogne ; *A.* (*A.*) *coudurensis* (p. 144) Coudures, Ilerdian ; *A.* (*A.*) *lehneri* (p. 147) Anatolia, Cuisian ; *A.* (*A.*) *rugosa* (p. 151) Sicily ; *A.* (*A.*) *levantina* (p. 154) Yugoslavia, Lutetian ; *A.* (*A.*) *pinguis* (p. 157) Anatolia, Cuisian ; *A.* (*A.*) *rütimeyeri* (p. 159) Emmental, Cuisian ; *A.* (*A.*) *callosa* (p. 160) Catalogne, Lutetian ; *A.* (*A.*) *stipes* (p. 163) Vanzi ; *A.* (*A.*) *tenuis* (p. 164) Bas Adour ; *A.* (*A.*) *munieri* (p. 165) Ciuppio ; *A.* (*A.*) *prorrecta* (p. 167) Chalosse de Montfort ; Lutetian ; *A.* (*A.*) *fragilis* (p. 170) Italy, Biarritzian ; **spp. n.** Palaeocene to Eocene, **Hottinger,** L. (**2**).

Ammoastuta sakhalinica (p. 225) **sp. n.** Sakhalin, Miocene, **Voloshinova,** N. A. *in* **Voloshinova,** N. A. & **Budasheva,** A. I.

Ammobaculites agglutinoides (p. 20) **sp. n.** Siberia, Russia, Cretaceous, **Dain,** L. G. (**2**) ; *A. brevis* (p. 45) [in a table] **sp. n.** Palaeogene, Siberia, **Lipman,** R. Kh. (**2**) ; *A. buiosensis* (p. 9) **sp. n.** Miocene, Majorca, **Colom,** G. (**1**) ; *A. chappelensis* (p. 1218) **sp. n.** Texas, Carboniferous, **Gutschick,** R. C., **Weiner,** J. L. & **Young,** L. ; *A. clifdenensis* (p. 31) **sp. n.** Oligocene, New Zealand, **Hornibrook,** N. de B. ; *A. concinnus* (p. 27) **sp. n.** *A. agglutinans caucasica* (p. 27) **var. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. (**3**) ; *A. diazi* (p. 140) **sp. n.** Mexico, Cretaceous, **Obregón de la Parra,** J. ; *A. elenae* (p. 12) **sp. n.** Ukraine, Jurassic, **Dain,** L. G. *in* **Bykova,** N. K. *et al.* ; *A. gutschicki* (p. 321) **sp. n.** Kentucky, USA, Carboniferous, **Conkin,** J. E. ; *A. haeusleri* (p. 89), *A. linearis* (p. 90), *A. paalzowi* (p. 91), *A. formosus* (p. 91), **spp. n.** *A. subcretaceus exilis* **subsp. n.** (p. 92), Jurassic, Germany, **Ziegler,** J. H. (**1**) ; *A. hifumizawensis* (p. 73) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. (**2**) ; *A. kamtchaticus* (p. 218) **sp. n.** Kamchatka, Oligocene, **Budasheva,** A. I. *in* **Voloshinova,** N. A. & **Budasheva,** A. I. ; *A. petilus* **sp. n.** (p. 62) Cretaceous, Wyoming, **Eicher,** D. L. ; *A. polonicus* (p. 968) ; *A. kcyniensis* (p. 968) ; **spp. n.** [in a table] Cretaceous, Poland, **Sztejn,** J. ; *A. reverendus* (p. 68) ; *A. nitidus* (p. 70) ; *A. uniformis* (p. 70) ; **spp. n.** [in text] Cretaceous, Siberia, **Bulatova,** Z. I. (**2**) ; *A. septentrionalis* (p. 37) Sharovskaya ; *A. lapidosus* (p. 38) Gerke & Sharovskaya ; **spp. n.** Jurassic, Russia, **Sharovskaya,** N. V. ; *A. spongiphilus* (p. 329) **sp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. (**3**) ; *A. venonahas* (p. 291) **sp. n.** Cretaceous, Alaska, **Tappan,** H.

Ammodiscacea Reuss 1862 (p. 275) *nom. correct. pro* superfam. Ammodiscoidea Chapman, Parr & Collins 1934, *nom. transl. ex* fam. Ammodiscinea Reuss 1862 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. (**3**).

Ammodiscinea Reuss 1862, see Ammodiscacea, **Loeblich, A. R. & Tappan, H. (3).**

Ammodiscoidea Chapman, Parr & Collins 1934, see Ammodiscacea, **Loeblich, A. R. & Tappan, H. (3).**

Ammodiscoides hanzawai (p. 299) **sp. n.** Palaeogene, Japan, **Murata, S. & Sugahara, M.**

Ammodiscus Reuss 1862, status; retained for agglutinated planispiral evolute species similar to type sp. *A. infimus* Bornemann 1874 non Strickland 1846, =*A. siliceus* (Terquem 1862), **Loeblich, A. R. & Tappan, H. (1)**; *A. ariakensis* (p. 298) **sp. n.** Palaeogene, Japan, **Murata, S. & Sugahara, M.**; *A. graniferus* (p. 473) V. F. Kosyreva **sp. n.** Saratov, Russia, Jurassic, **Khabarova, T. N. (1)**; *A. obscurus* (p. 7), Ukraine; *A. subcarbonicus* (p. 8) Russia **spp. n.** Jurassic, **Dain, L. G.** *in* **Bykova, N. K.** *et al.*; *A. pleniplanus* (p. 139); *A. peñaensis* (p. 140) **spp. n.** Mexico, Cretaceous, **Obregón de la Parra, J.**; *A. sulcatus* (p. 207) **sp. n.** Jurassic, Dnepr–Don basin, **Blank, M. I.**; *A. tenuiculus* (p. 181), Oligocene; *A. aequispiralis* (p. 181), Miocene; **spp. n.** Pre-Carpathians, USSR, **Subbotina, N. N. (4)**; *A. uttaturensis* **sp. n.** (p. 276) [non descr.] Cretaceous, India, **Sastry, M. V. A. & Sastri, V. V.**

Ammomarginulina matchigarica (p. 221), *A. rugosa* (p. 222); *A. plana* (p. 223); **spp. n.** Sakhalin, Miocene, **Voloshinova, N. A.** *in* **Voloshinova, N. A. & Budasheva, A. I.**; *A. troptunensis* (p. 14) **sp. n.** Sakhalin, Miocene, **Voloshinova, N. A.** *in* **Bykova, N. K.** *et al.*

Ammovertella persica (p. 14) **sp. n.** N.E. Persia, Trias, **Oberhauser, R.**

Amphicervicis **gen. n.** (p. 29) of Saccamminidae, type sp. *A. elliptica* (p. 29); *A. hemisphaerica* (p. 31) **spp. n.** Silurian, Indiana, USA, **Mound, M. C.**

Amphicoryne marginuliniformis **sp. n.** (p. 49) Oligocene, Hungary, **Nyírő, M. R. (3).**

Amphimorphina gagei (p. 83) **sp. n.** Miocene, New Zealand, **Hornibrook, N. de B.**

Amphistegina abrardi Le Calvez 1952, see *Nummulites variolarius* (Lamarck), **Le Calvez, Y. (1).**

Angulogerina abbreviata tubulifera (p. 198) **var. n.** Eocene, Belgium, **Kaasschieter, J. P. H.**; *A. juniornata* (p. 67); *A. costornata* (p. 68); *A. tortuosa* (p. 68); *A. continua* (p. 69); *A. esuriens* (p. 69) Miocene; *A. ototara* (p. 70) Eocene **spp. n.** New Zealand, **Hornibrook, N. de B.**; *A. laevigata* (p. 138) **sp. n.** Eocene, W. Pakistan, **Haque, A. F. M. M. (1)**; *A. selseyensis dubia* (p. 28) **subsp. n.** Eocene, W. Pakistan, **Haque, A. F. M. M. (2)**; *A. transcaspiensis* (p. 76) **sp. n.** Palaeogene, Turkmenia, **Morozova, V. G. (2).**

Anomalina (*Brotzenella*) **subgen. n.** (p. 52), type sp. *A. monterelensis* Marie 1941, Campanian to Eocene, Russia, **Vasilenko, V. P.** *in* **Bykova, N. K.** *et al.*; *A. bandvi* (p. 191) **sp. n.** Palaeocene, W. Pakistan, **Haque, A. F. M. M. (1)**; *A. fera* (p. 251) **sp. n.** S.W. Crimea, USSR, Palaeocene, **Shutzkaya, E. K. (2)**; *A. guzmani* (p. 152); *A. menesesi* (p. 152); *A. rodriguezi* (p. 153) **spp. n.** Cretaceous, Mexico, **Obregón de la Parra, J.**; *A. hostaensis* (p. 42) **sp. n.** Cretaceous, Russia, **Morozova, V. G. (1)**; *A. indica* **sp. n.** (p. 276) [non descr.] Cretaceous, India, **Sastry, M. V. A. & Sastri, V. V.**; *A. kojimaensis* (p. 389) **sp. n.** Miocene, Japan, **Tai, Y. (1)**; *A.* (*Anomalina*) *minutissima* (p. 135); *A.* (*Gavelinella*) *polessica* (p. 143); **spp. n.** *A.* (*Pseudovalvulineria*) *kelleri dorsoconvexa* (p. 152) **var. n.** *A.* (*P.*) *nana* (p. 155); *A.* (*P.*) *santonica* (p. 158); *A.* (*Brotzenella*) *belorussica* (p. 160); **spp. n.** Cretaceous, Belorussia, **Akimetz, V. S. (4)**; *A. neocomiana* (p. 108) **sp. n.** Crimea, USSR, Cretaceous, **Schokhina, V. A.** *in* **Drushchitz, V. V. & Kudryavtzev, M. P.**; *A.* (*Anomalina*) *nonioninoides* (p. 290) **sp. n.** Eocene, Belorussia, **Fursenko, A. V. & Fursenko, K. B. (2)**; *A. paracuta* (p. 521) **sp. n.** Cretaceous, Canada, **McGill, P. C. & Loranger, D. M.**; *A. popenoei* (p. 335) **sp. n.** Cretaceous, California, **Trujillo, E. F.**; *A. praecacuta* (p. 208) **sp. n.** Russia, Palaeocene, **Vasilenko, V. P.**; *A. roberti* (p. 100); *A. breggiensis* (p. 102) **spp. n.** Italy, Cretaceous, **Gandolfi, R.**; *A.* (*Gavelinella*) *sculptilis* (p. 38) **sp. n.** Germany, Santonian, **Hiltermann, H. & Koch, W. (1)**; *A. sori* (p. 38); **sp. n.** Eocene, W. Pakistan, **Haque, A. F. M. M. (2)**; *A. ukrainica* (p. 79) **sp. n.** Cretaceous, Russia, **Voloshina, A. M. (2).**

Anomalinoides Brotzen 1942 (p. 101) discussion of concept of the genus; *A. canaliculus* (p. 103); *A. undulatus* (p. 106); *A. murchisonensis* (p. 107); **spp. n.** Cretaceous, W. Australia, **Belford, D. J. (1)**; *A. awamoana* (p. 157) **sp. n.** Miocene, New Zealand, **Hornibrook, N. de B.**; *A. highlandicus* (p. 52) Cretaceous; *A. pseudowelleri* (p. 52) Palaeocene; **spp. n.** New Jersey, USA, **Olsson, R. K.**

Aragonia anauna (p. 78) **sp. n.** Eocene, Italy, **Cita, M. B. & Palmieri, V.**; *A. daniensis* (p. 109) **sp. n.** Austria, Cretaceous, **Wicher, C. A. & Bettenstaedt, F.**

Archaediscus donetzianus (p. 90) Sosn. MS., Carboniferous, Russia, **Manukalova, M. F.**; *A.* (*?*) *namuriensis* (p. 75) **sp. n.** Russia, Namurian, **Dain, L. G.** *in* **Bykova, N. K.** *et al.*

Archaelagena borealia (p. 52) **sp. n.** Devonian, Urals. **Pronina, T. V.**

Archaesphaera gigantа (p. 89) **sp. n.** Devonian, Urals, USSR, **Malakhova, N. P. (1).**

Arenobulimina Marie 1941, synonymy includes *Hagenowella* Cushman 1933 (based on specimens misidentified as *Valvulina gibbosa* d'Orb. 1840), **Loeblich, A. R. & Tappan, H. (8)**; *A. sinuosa* (p. 73); *A. levis* (p. 73); *A. labirynthica* (p. 74); *A. vialovi* (p. 75); *A. amanda* (p. 76); **spp. n.** Cretaceous, Russia, **Voloshina, A. M. (2)**; *A. tertiaria* (p. 186) **sp. n.** Miocene, Pre-Carpathians, USSR, **Subbotina, N. N. (4).**

Arenoparrella subglobosa (p. 228) **sp. n.** Kamchatka, Oligocene, **Budasheva, A. I.** *in* **Voloshinova, N. A. & Budasheva, A. I.**

Arenoturrispirillina micra (p. 10) **sp. n.** Russia, Eocene, **Subbotina, N. N.** *in* **Bykova, N. K.** *et al.*

Articulina monodentata (p. 51) **sp. n.** *A. m. rugosa* (p. 53) **var. n.** *A. m. raricostata* (p. 53) **var. n.** *A. m. sarmatica* (p. 54) **var. n.** *A. bidentata* (p. 56) **sp. n.** *A. b. costata* (p. 57) **var. n.** *A. volhynica* (p. 59); *A. stelligera* (p. 60) **spp. n.** Miocene, Russia, **Didkovsky, V. Y. (2)**; *A. pseudosulcata* (p. 159); *A. flandrica* (p. 160) **spp. n.** Eocene, Belgium, **Kaasschieter, J. P. H.**; *A. tarchancutica* (p. 94) **sp. n.** Crimea, USSR, Miocene, **Krasheninnikov, V. A.** *in* **Zhizhchenko, B. P.** [Editor]; *A. tschokrakensis*

(p. 163) ; *A.* (*?*) *agglutinans* (p. 163) **spp. n.** Chokrak deposits, Pre-Caucasus, USSR, **Bogdanovich,** A. K. (2).

Asanospira **gen. n.** (p. 74) of Lituolidae, type sp. *Lenticulina* (*?*) *teshioensis* Asano 1950, Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. (2).

Assilina d'Orbigny 1826, type sp. *A. spira* (de Roissy 1805) [=*A. depressa* d'Orb. 1826] designated by d'Archiac 1853, regarded as valid and not to be replaced by *Planocamerinoides*, **Schaub,** H. (2) ; *A. assamica* (p. 89) ; *A. subassamica* (p. 90) **spp. n.** Assam, Eocene, **Samanta,** B. K. (3) ; *A. azizbekovi* **sp. n.** (p. 925) Eocene, Nakhichevan, SSR, **Mamedov,** T. A. (1) ; *A. leymerieri* (d'Archiac & Haime) 1853, nomenclatorial note, **Schaub,** H. (1).

Assilininae **subfam. n.** (p. 97) of Nummulitidae, type genus *Assilina* d'Orbigny 1839 ; also includes *Operculina* d'Orbigny 1826, **Puri,** H. S. (2).

Astacolus anceps indica (p. 18) **var. n.** *A. aphrastus minuta* (p. 19) **var. n.** *A. centro-gyrata definita* (p. 20) **var. n.** *A. renominata* (p. 21) **nom. nov.** pro *Cristellaria lanceolata* Schwager 1865 non d'Orbigny 1846, Jurassic, India, **Subbotina** & **Srivastava** *in* **Subbotina,** N. N., **Datta,** A. K. & **Srivastava,** B. N. ; *A. balearicus* (p. 123), *A. burdigalensis* (p. 125) **spp. n.** Miocene, Majorca, **Colom,** G. (7) ; *A. barrowensis* (p. 220) **nom. nov.** pro *A. calliopsis* Tappan 1955 non (Reuss) 1863, Bartenstein & Brand 1951, Jurassic, Alaska, **Loeblich,** A. R. & **Tappan,** H. (7) ; *A. judyae* (p. 39) **sp. n.** Oligocene, New Zealand, **Hornibrook,** N. de B. ; *A. polandensis* (p. 317) **nom. nov.** pro *Cristellaria simplex* Dunikowski 1879 non d'Orbigny 1846 non Terquem 1864 non Kübler & Zwingli 1866, Cretaceous, Poland, **Trujillo,** E. F.

Asterigerina aymei (p. 60) **sp. n.** Palaeocene, Ivory Coast, **Lys,** M. (2) ; *A. brencei* (p. 33) ; *A. spinkarezi* (p. 34) ; *A. sorri* (p. 34) **spp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2) ; *A. cornuta* (p. 286), **sp. n.** Eocene, Belorussia, **Fursenko,** A. V. & **Fursenko,** K. B. (2) ; *A. falciloculariis* (p. 194) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4) ; *A. papillata* (p. 843) Eocene, Eniwetok Atoll, **sp. n.,** **Todd,** R. & **Low,** D. ; *A. paradaschensis* (p. 43) **sp. n.** *A. p. serrata* (p. 44) **var. n.** *A. aculeata* (p. 45) ; *A. nachitschevanensis* (p. 46) ; *A. contusa* (p. 47) ; *A. varians* (p. 48) ; **spp. n.** *A. v. arbua* (p. 48) **var. n.** Eocene, Azerbaidjan SSR, **Khalilov,** D. M. (5) ; *A. stelligera* (p. 73) ; *A. ambigua* (p. 74) ; **spp. n.** Eocene, W. Black Sea region, **Kraeva,** E. Ya. ; *A. texana nammalensis* (p. 165) **var. n.** *A. cuniformis* (p. 165) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1).

Asterigerinacea d'Orbigny 1839 (p. 302) *nom. transl. ex* fam. Asterigerinidae d'Orbigny 1839 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. (3).

Asterigerinata baluchistanensis (p. 33) *A. hemisphaeriformis* (p. 33) **spp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2).

Asterigerinidae d'Orbigny 1839, see Asterigerinacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Asteroarchaediscus **gen. n.** (p. 10) of Archaediscidae, type sp. *Archaediscus baschkiricus* Krestovnikov & Theodorovich 1936, Carboniferous, USSR, **Miklukho-Maklay,** A. D. *in* **Kiparisova,** L. D., **Markovski,** B. P. & **Radchenko,** G. P. [Ed.].

Astrononion parki (p. 95) ; *A. impressum* (p. 96) Miocene ; *A. pusillum* (p. 96) Oligocene ; **spp. n.** New Zealand, **Hornibrook,** N. de B.

Asymmetrina (p. 74) **gen. n.** of Anomalininae, type sp. *A. biomphalica* (p. 75) **sp. n.** Trias, Austria, **Kristan-Tollmann,** E.

Austrocolomia **gen. n.** (p. 37) of Lagenidae, type sp. *A. marschalli* (p. 38) **sp. n.** Austria, Trias, **Oberhauser,** R.

Ayalaina **gen. n.** (p. 346) of Peneroplidae, type sp. *Meandropsina ? rutteni* Palmer 1934, Cretaceous, Cuba, **Seiglie,** G. A. (3).

Azera **gen. n.** (p. 6) [fam. not given] type sp. *A. transversa* (p. 6) **sp. n.** Eocene, Azerbaidjan SSR, **Khalilov,** D. M. (2).

Baggatella altiuscula (p. 64) **sp. n.** Russia, Oligocene, **Subbotina,** N. N. *in* **Bykova,** N. K. *et al.* ; *B. divulgata* (p. 206) ; *B. latiaperta* (p. 208) ; **spp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4).

Baggatellinae N. Bykova **subfam. n.** (p. 325) of Buliminidae pro *Baggatella* Howe 1939, Eocene, Russia, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Baggina philippinensis dentatoapertura (p. 84) **var. n.** Miocene, W. Taiwan, **Chang,** L.-S. (3) ; *B. scofata* (p. 244) **sp. n.** S.W. Crimea, USSR, Palaeocene, **Shutzkaya,** E. K. (2).

Barkerinidae Smout 1956, see Barkerininae, **Loeblich,** A. R. & **Tappan,** H. (3).

Barkerininae Smout 1956 (p. 280) *nom. transl. ex* fam. Barkerinidae Smout 1956 [subfam. of Lituolidae], **Loeblich,** A. R. & **Tappan,** H. (3).

Bathysiphon akanosawensis (p. 64) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. (2) ; *B. nodosariaformis* (p. 67) **sp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina,** N. N. (1).

Beisselina Voloshinova & Balakhmatova **gen. n.** (p. 227) of Ataxophragmiinae, type sp. *Lituola aequisgranensis* Beissel 1891, Senonian, Russia, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Bermudezita **gen. n.** (p. 342) of Valvulinidae, type sp. *B. borroi* (p. 343) **sp. n.** Cuba, Cretaceous, **Seiglie,** G. A. (3).

Bigenerina ammobaculitoidea (p. 80) ; *B. shihtiensis* (p. 80) **spp. n.** Miocene, W. Taiwan, **Chang,** L.-S. (3) ; *B. compressissima* (p. 130) **sp. n.** Vindobonian, Majorca, **Colom,** G. (4) ; *B. khirthari* (p. 18) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2) ; *B. nodosa* (p. 33) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1) ; *B. perkinsi* **nom. nov.** (p. 1217) pro *B. elongata* Ireland 1956, Pennsylvanian, Kansas, **Ireland,** H. A. ; *B. plana* (p. 87) **sp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina,** N. N. (1).

Biglobigerinella Lalicker 1948, taxonomic status ; considered to be a developmental stage of a biological unit and thus of no generic significance, **Hofker,** J. (6) ; *Biglobigerinella sigali* (p. 33) **sp. n.** France, Cretaceous, **Chevalier,** J.

Biloculinella cylindrica (p. 200) **sp. n.** Pleistocene, Mediterranean, **Todd,** R. (1).

Bimonilina **gen. n.** (p. 65) of Textulariidae, type-species *B. variana* (p. 67) **sp. n.** Cretaceous, Wyoming, **Eicher,** D. L.

Birbalina **gen. n.** of Orbitolinidae (p. 28), type sp. *B. pulchra* (p. 28) **sp. n.** Cretaceous, Tibet, **Sahni,** M. R. & **Sastri,** V. V. **(1).**

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Boldia madrugaensis Cushman & Bermudez 1948, considered the type sp. of *Boldia* van Bellen 1946, non *Rotalina lobata* Terquem 1882, **Hofker,** J. **(7).**

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Bolivinitidae systematics and phylogeny, **Bykova,** N. K. **(1).**

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Bolivinopsis tuaevi (p. 69) **sp. n.** Palaeogene, Turkmenia, **Morozova,** V. G. **(2).**

Borelis Montfort 1808, contains *Alveolina* d'Orbigny 1826, **Loeblich,** A. R. & **Tappan,** H. **(3).**

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Buliminella angusta (p. 80) **sp. n.** Cretaceous, Russia, **Voloshina,** A. M. **(2)**; *B. angusta* (p. 173) Voloshina **sp. n.** Cretaceous, Belorussia, **Akimetz,** V. S. **(4)**; *B. campanica* (p. 62) **sp. n.** Senonian, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*; *B. lajasensis* (p. 96) **sp. n.** Eocene, Puerto Rico, **Pessagno,** E. A. **(1)**; *B. rara* **sp. n.** (p. 76) Oligocene, Pre-Carpathians, USSR, **Pischvanova,** L. S. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V.

Buliminellinae N. Bykova **subfam. n.** (p. 323) of Buliminidae, pro *Buliminella* Cushman 1911, *Buliminellita* Cushman & Stainforth 1947 and *Sporobuliminella* Stone 1949, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Buliminicae Easton 1960, see Buliminacea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Buliminida Jones 1875, see Buliminacea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

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Caligellidae Reitlinger **fam. n.** (p. 175) of Parathuramminidea, pro *Caligella* Antropov 1950, *Paracaligella* Lipina 1955, *Baituganella* Lipina 1955, *Paratikhinella* Reitlinger 1954, *Evlania* E. Bykova 1952 and *Tikhinella* E. Bykova 1952, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Camerina ammonoides, C. complanata and *C. venosa* considered to be the correct interpretation of seven species placed in two genera recognized by Smout & Eames (1960) [Cushman. Found. Foram. Res. **11** 4: 109–114], **Cole,** W. S. **(6).**

Canalifera **gen. n.** (p. 59) Familia Incertae Sedis, type sp. *Elphidium eichwaldi* Bogd. *C.* (*Canalifera*) *eichwaldi* (Bogd.) **subgen. n.** (p. 59); *C.* (*Cryptocanalifera*) *clara* **subgen. et sp. n.** (p. 60) Miocene, Russia, **Krasheninnikov,** V. A. **(4).**

Cancris bornovasi (p. 97); *C. maratosi* (p. 97); **spp. n.** Pliocene, Greece, **Christodoulou,** G.; *C. laevinflatus* (p. 120) **sp. n.** Oligocene, New Zealand, **Hornibrook,** N. de B.; *C. miserandus* (p. 190) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. **(4).**

Candela **gen. n.** (p. 70) of Buliminidae, type sp. *Trifarina labrum* Subbotina 1953; *C. ignara* (p. 71) **sp. n.** Eocene, Mangyshlak, Russia, **Bykova,** N. K. *in* **Bykova,** N. K. *et al.*

Capidulina Maslov 1935, see *Tuberitina* Galloway & Harlton 1928, **B,** C. C.

Carterinacea Loeblich & Tappan 1955 (p. 317) *nom. transl. ex* fam. Carterinidae Loeblich & Tappan 1955 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Carterinidae Loeblich & Tappan 1955, see Carterinacea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Cassidulina biora (p. 28) **sp. n.** Antarctica, Recent, **Crespin,** I. **(2)**; *C. bulbiformis* (p. 66) **sp. n.** Caucasus, USSR, Miocene, **Krasheninnikov,** V. A. *in* **Zhizhchenko,** B. P. [Ed.]; *C. bulloides* (p. 82) **sp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V.; *C. convexilocula* (p. 214) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. **(4)**; *C. imamurai* (p. 389) **sp. n.** Miocene, Japan, **Tai,** Y. **(1)**; *C. margareta micra* (p. 297) **var. n.** Miocene, Ukraine, **Pischvanova,** L. S. **(1)**; *C. pseudocrassa* (p. 86) **sp. n.** Oligocene, New Zealand, **Hornibrook,** N. de B.; *C. subcarpatjca* (p. 102); *C. usitata* (p. 103); Oligocene **spp. n.** Pre-Carpathians, USSR, **Ivanova,** L. V. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V.

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Cassidulinoides yamagaensis (p. 83) **sp. n.** Palaeogene, Japan, **Asano** & **Murata** *in* **Murata,** S. **(2).**

Cassigerinella globolocula (p. 57) **sp. n.** Russia, Oligocene, **Ivanova,** L. V. *in* **Bykova,** N. K. *et al.*

Catapsydrax gortanii (p. 205); *C. venzoi* (p. 207) **spp. n.** Italy, Oligocene, **Borsetti,** A. M.

Caucasina alpina (p. 204) **sp. n.** France, Oligocene, **Espitalié,** J. & **Sigal,** J. **(2)**; *C. eocaenica* (p. 4), Eocene; *C. aziderensis* (p. 4), Oligocene; **spp. n.** Azerbaidjan SSR, **Khalilov,** D. M. **(2)**; *C. tenebricosa* (p. 90) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Pischvanova,** L. S. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V.

Caucasinidae Bykova 1959 (p. 314) *nom. transl. ex* subfam. Caucasininae Bykova 1959 [fam. of Cassidulinacea], **Loeblich**, A. R. & **Tappan**, H. (3).

Caucasininae N. Bykova **subfam. n.** (p. 328) of Buliminidae pro *Caucasina* Chalilov 1951, *Neobulimina* Cushman & Wickenden 1928, *Uvigerinella* Cushman 1926, *Hopkinsina* Howe & Wallace 1933, and *Bitubulogenerina* Howe 1934, **Rauzer-Chernousova**, D. M. & **Fursenko**, A. V. [Eds.]; Caucasininae Bykova 1959, see Caucasinidae, **Loeblich**, A. R. & **Tappan**, H. (3).

Ceratobulimina asanoi (p. 45) **sp. n.** Oligocene, Japan, **Murata**, S. (1); *C. awamoana* (p. 125) **sp. n.** Miocene, New Zealand, **Hornibrook**, N. de B.; *C. intrusa* (p. 49) **sp. n.** Oligocene, Russia, **Bykova**, N. K. *in* **Bykova**, N. K. *et al.*

Chernyshinella disputabilis (p. 18) **sp. n.** Jurassic, Russia, **Dain**, L. G. *in* **Bykova**, N. K. *et al.*; *C. gelida* (p. 154); *C. vica* (p. 155); *C. curta* (p. 156); **spp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina**, A. V.

Chernyshinellina Reitlinger **gen. n.** (p. 196) of Chernyshinellinae, type sp. *Ammobaculites pygmeus* Malachova 1954, Turonian, Russia, **Rauzer-Chernousova**, D. M. & **Fursenko**, A. V. [Eds.].

Chernyshinellinae Reitlinger **subfam. n.** (p. 195) of Endothyridae, pro *Chernyshinella* Lipina 1955, and *Chernyshinellina* Reitlinger **gen. n.** q.v., **Rauzer-Chernousova**, D. M. & **Fursenko**, A. V. [Eds.].

Chilogümbelina taurica (p. 18) **sp. n.** Danian, S. Russia, **Morozova**, V. G. (8).

Chilostomella comata (p. 169) **sp. n.** Eocene, W. Pakistan, **Haque**, A. F. M. M. (1).

Chilostomelloides tubulosa (p. 97) **sp. n.** Cretaceous, Puerto Rico, **Pessagno**, E. A. (1).

Chitinolagena **gen. n.** (p. 30) of Maylisoriidae, type sp. *C. gutta* (p. 30) **sp. n.** Ordovician, Russia, **Bykova**, E. V. (3).

Choffatella occulta (p. 429) **sp. n.** Lias, Germany, **Bach** *in* **Bach**, H., **Hagenmeyer**, P. & **Neuweiler**, F.

Chrysalidinella ruscellii (p. 261) **sp. n.** Tortonian, Italy, **Gianotti**, A.

Chusenella choshiensis (p. 245) **sp. n.** Permian, Japan, **Chisaka**, T.

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Cirous **gen. n.** (p. 199) Voloshinova & Budasheva, of Lituolidae, type sp. *C. multicameratus* (p. 201) Voloshinova, Miocene, Sakhalin; *C. kamtchaticus* (p. 200) Budasheva; *C. curviseptatus* (p. 200) Budasheva, Oligocene, Kamchatka; *C. desertus* (p. 202) Voloshinova; *C. laevigatus* (p. 202) Voloshinova; *C. semiinvolutus* (p. 204) Voloshinova, Miocene, Sakhalin; **spp. n.**, **Voloshinova**, N. A. & **Budasheva**, A. I.

Citharina geisendörferi costata (p. 109) **subsp. n.** *C. penna* (p. 110) **sp. n.** Hokkaido, Japan, Cretaceous, **Takayanagi**, Y. (2); *C. geisendörferi ezo* **nom. nov.** (p. 115) pro *C. g. costata* Takayanagi 1960, preoccup. by *C.* (olim *Planularia*) *costata* (Cornuel) 1848,

Takayanagi, Y. (3); *C. pseudolatissima* (p. 33); *C. submulticostata* (p. 34) **spp. n.** India, Jurassic, **Subbotina** & **Datta** *in* **Subbotina,** N. N., **Datta,** A. K. & **Srivastava,** B. N.; *C. tenuicostata* (p. 463) **sp. n.** Jurassic, Germany, **Lutze,** G. F.

Citharinella foliaformis (p. 35) **sp. n.** India, Jurassic, **Subbotina** & **Datta** *in* **Subbotina,** N. N., **Datta,** A. K. & **Srivastava,** B. N.

Clavulina gaultina (p. 36) **sp. n.** Cretaceous, Russia, **Morozova,** V. G. (1); *C. listerelloides* (p. 72) **sp. n.** Palaeogene, Turkmenia, **Morozova,** V. G. (2); *C. paxilliformis* (p. 49) **sp. n.** *C. p. symmetrica* (p. 50) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1); *C. planotrilatera* (p. 88) **sp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina,** N. N. (1); *C. prodigiosa* (p. 70) **sp. n.** [in text] Cretaceous, Siberia, **Bulatova,** Z. I. (2); *C. terterensis* (p. 9); Eocene; *C. scalprata* (p. 11) Palaeocene; **spp. n.** Azerbaidjan SSR, **Khalilov,** D. M. (2).

Clavulinoides lakiensis (p. 43) **sp. n.** *C. l. spatha* (p. 44) **var. n.** *C. l. limbata* (p. 45) **var. n.** *C. l. elongata* (p. 45) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1); *C. trifidus* (p. 13) **sp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1).

Climacammina Brady 1873, new to the Mississippian; *C. mississippiana* (p. 325) **sp. n.** Kentucky, USA, Carboniferous, **Conkin,** J. E.; *C. ignobilis* (p. 219) **sp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V.

Cochleatina Bykova 1956, placed by Fursenko 1959, in Umbellinae, considered a bryozoan (synonymous with *Corynotrypa* Bassler 1911), **Loeblich,** A. R. & **Tappan,** H. (3).

Codonofusiella kimurai (p. 211) **sp. n.** Permian, Japan, **Ishii,** A. & **Takahashi,** H.

Colaniellidae Fursenko 1959 (p. 285) *nom. transl. ex* subfam. Colaniellinae Fursenko 1959 [fam. of Endothyracea], **Loeblich,** A. R. & **Tappan,** H. (3).

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Coleites crispus (p. 51) **sp. n.** Cretaceous, Russia, **Vasilenko,** V. P. *in* **Bykova,** N. K. *et al.*; *C. gagei* (p. 123) **sp. n.** Eocene, New Zealand, **Hornibrook,** N. de B.; *C. galeebi* (p. 32) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2); *C. ornatus* (p. 143) Eocene, W. Pakistan, **Haque,** A. F. M. M. (1).

Colonammina imparilis (p. 405) **sp. n.** Devonian, W. Australia, **Crespin,** I. (7).

Conicocornuspira **gen. n.** of Ophthalmidiidae (p. 74), type sp. *Conicocornuspira conica* **sp. n.** (p. 74) Carboniferous, Algeria, **Deleau,** P. & **Marie,** P.

Conorbina brotzeni (p. 91) **sp. n.** Italy, Cretaceous, **Gandolfi,** R.; *C. chasmosculpta* (p. 523) **sp. n.** Cretaceous, Canada, **McGill,** P. C. & **Loranger,** D. M.; *C. scutuliformis* (p. 381) **sp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. (3).

Conulites aegyptiensis placement of *aegyptiensis* Airaghi 1904, in this binomen (an invalid emendation of *egyptiensis* Chapman 1900, in the binomen *Patellina egyptiensis*) on the Official Index of Rejected and Invalid Specific Names, **Opinion 585.**

Cornuspira Schultze 1854, is a junior synonym of *Cyclogyra* Wood 1842, **Loeblich,** A. R. & **Tappan,** H. (3); *C. turgaica* (p. 93) **sp. n.** Palaeogene, Aral–Turgan plain, USSR, **Serova,** M. Ya. (3).

Cornuspirida Schultze 1854, see Cyclogyrinae, **Loeblich,** A. R. & **Tappan,** H. (3).

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Coskinolina maynci (p. 31) **sp. n.** France, Cretaceous, **Chevalier,** J.; *C. maynci* Chevalier 1961, considered a synonym of *C. sunnilandensis elongata* Moullade 1960, **Moullade,** M. (5); *C. sunnilandensis elongata* (p. 189) **subsp. n.** France, Barremian, **Moullade,** M. (3).

Coskinolinella **gen. n.** (p. 167) of Orbitolinidae ?, type sp. *C. daguini* (p. 167) **sp. n.** France, Cretaceous, **Delmas,** M. & **Deloffre,** R.

Cremsia **gen. n.** (p. 50) of Heterohelicidae (?), type sp. *C. proboscidea* Cushman & Stainbrook 1943 (p. 52); *C. incelebrata* (p. 53); **sp. n.** Devonian, Russia, **Bykova,** E. V. (1).

Cribroelphidiinae **subfam. n.** (p. 167) of Elphidiidae, pro *Porosorotalia* Voloshinova **gen. n.** q.v., *Cribroelphidium* Cushman & Bronnimann 1948 emend. Voloshinova, *Elphidiella* Cushman 1936 and *Cellanthus* Montfort 1808, **Voloshinova,** N. A. (1).

Cribroelphidium Cushman & Bronnimann 1948, emend. Voloshinova (p. 168), type sp. *C. vadescens* Cush. & Bronn. 1948; *C.* (*Cribroelphidium*) *heterocameratum* (p. 171) Voloshinova, Pliocene, Sakhalin, **sp. n.**; *C.* (*Rimelphidium*) *vulgare* **subgen. n.** (p. 173) Sakhalin; *C.* (*R.*) *planoseptatum* (p. 175) Voloshinova; *C.* (*R.*) *boraense* (p. 176) Voloshinova; *C.* (*R.*) *paromaense* (p. 177) Grigorenko; Miocene; *C.* (*R.*) *micrum* (p. 177) Voloshinova; Pliocene, **sp p. n.** Sakhalin, **Voloshinova,** N. A. (1).

Cribrogloborotalia challinori (p. 189); *C. platti* (p. 190) **spp. n.** Palaeocene, W. Pakistan, **Haque,** A. F. M. M. (1).

Cribrogoësella parvula (p. 820) **sp. n.** ? Oligocene, Eniwetok Atoll, **Todd,** R. & **Low,** D.

Cribrononion subcarinatus (p. 137) Voloshinova, Miocene; *C. rotundatus* (p. 138) Grigorenko, Pliocene; **spp. n.** Sakhalin, **Voloshinova,** N. A. (1).

Cribrorotalia **gen. n.** (p. 138) of Elphidiidae, type sp. *Notorotalia tainuia* Dorreen 1948, Eocene; *C. dorreeni* (p. 139) Oligocene; *C. obesa* (p. 140) Miocene; *C. lornensis* (p. 140) Eocene, **spp. n.** New Zealand, **Hornibrook,** N. de B.

Cribrosphaera crassa (p. 50); *C. novita* (p. 50) **spp. n.** Devonian, Urals, **Pronina,** T. V.; *C. pertusa* (p. 62) **sp. n.** Ordovician, Russia, **Bykova,** E. V. (3).

Cribrosphaeroides Reitlinger **gen. n.** (p. 174) of Parathuramminidae pro *Cribrosphaera* Reitlinger 1954, type sp. *C. simplex* Reitlinger 1954, Devonian, Russia, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Cribrostomoides californiensis (p. 306) **sp. n.** Cretaceous, California, **Trujillo,** E. F. ; *C. sakhalinensis* (p. 197) **sp. n.** Miocene, Sakhalin, **Voloshinova,** N. A. *in* **Voloshinova,** N. A. & **Budasheva,** A. I. ; *C. yeni* (p. 47) **sp. n.** Oligocene, Taiwan, **Chang** *in* **Chang,** L.-S. & **Yen,** T. P.

Cribrostomum fortis (p. 218) ; *C. juditchevi* (p. 219) ; **spp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V.

Criptocanalifera **subgen. n.** (p. 60) of *Canalifera* q.v., **Krasheninnikov,** V. A. **(4).**

Cristellaria pontosa (p. 239) **sp. n.** S.W. Crimea, USSR, Palaeocene, **Shutzkaya,** E. K. **(2)** ; *C.* (*Saracenaria*) *postsublaevis* (p. 127) **sp. n.** Lias, Germany, **Martin,** G. P. R. *in* **Hoffmann,** K. & **Martin,** G. P. R. ; *C.* (*Lenticulina*) *ruthenensis* (p. 56) **sp. n.** Lias, France, **Espitalié,** J. & **Sigal,** J. **(1)** ; *C. samurdiwidjinica carians* (p. 33) **var. n.** *C. s. recta* (p. 34) **var. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. **(3)** ; *C.* (*Lenticulina*) *sartaganica* (p. 67) **sp. n.** Caucasus, USSR, Miocene, **Krasheninnikov,** V. A. *in* **Zhizhchenko,** B. P. [Ed.] ; *C. sinuosa* (p. 146) **sp. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. **(2)** ; *C.* (*Lenticulina*) *vonderschmitti* (p. 55) **sp. n.** Italy, Cretaceous, **Gandolfi,** R.

Crithionina palaeozoica (p. 238) **sp. n.** Carboniferous, Kentucky, USA, new to Mississippian system, **Conkin,** J. E.

Cuvillierina eocenica Debourle 1955, is invalid, type sp. of *Cuvillierina*=*C. vallensis* Ruiz de Gaona & Colom 1950, occurrence and stratigraphic significance in the Eocene of Israel, systematic position regarded as being in the Miscellaneidae, **Reiss,** Z. **(2).**

Cyclammina asanoi (p. 75) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. **(2)** ; *C. ezoensis okuharai* (p. 382) **subsp. n.** Miocene, Japan, **Tai,** Y. **(1)** ; *C. pleschakowi* (p. 294) **sp. n.** Miocene, Ukraine, **Pischvanova,** L. S. **(1)** ; *C. tani kamtchatkaensis* (p. 209) Voloshinova **subsp. n.** *C. krishtofovitchae* (p. 210) Voloshinova ; *C. cushmani* (p. 212) Voloshinova ; Kamchatka, Oligocene ; *C. pilvoensis* (p. 214) Voloshinova ; *C. excavata* (p. 215) Voloshinova ; Sakhalin, Miocene ; **spp. n., Voloshinova,** N. A. & **Budasheva,** A. I.

Cyclogyra Wood 1842, includes *Cornuspira* Schultze 1854, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Cyclogyrinae **nom. nov.** (p. 290) *nom. subst. pro* subfam. Cornuspirinae Rhumbler 1904, *nom. transl. ex* fam. Cornuspirida Schultze 1854 [subfam. of Nubeculariidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Cycloloculina Heron-Allen & Earland 1908, revised diagnosis, *C. glabra* (p. 43) **sp. n.** Eocene, Pakistan, **Wood,** A. & **Haque,** A. F. M. M.

Daitrona **gen. n.** (p. 218) of Saccamminidae, type sp. *Crithionina lens* Goës 1896, **Loeblich,** A. R. & **Tappan,** H. **(7).**

Daixina acris (p. 47) **sp. n.** *D. robusta robustissima* (p. 47) **subsp. n.** *D. pomposa* (p. 48) ; *D. fortis* (p. 50) ; **spp. n.** Russia, Carboniferous, **Semina,** S. A. ; *D. rara* (p. 40) ; *D. sakmarensis* (p. 41) **spp. n.** Carboniferous, Russia, **Rozovskaya,** S. E. **(1)** ; *D. samarensis* (p. 137) **sp. n.** Carboniferous, Russia, **Rauzer-Chernousova,** D. M. **(1)** ; *D. samarensis* Rauzer-Chernousova MS. (p. 105) ; *D. crispa* (p. 105) **sp. n.** *D. privilegiata* Panteleev MS. (p. 106) ; *D. rugosa* (p. 107) ; *D. convexis* (p. 107) ; *D. angusta* (p. 108) ; *D. fragilis* (p. 109) **spp. n.** Russia, Carboniferous, **Rozovskaya,** S. E. **(2)** ; *D. vozhgalensis* Rauzer-Chernousova (p. 28) ; *D. robusta* Rauzer-Chernousova (p. 28) ; *D. biconica* Shcherbovich (p. 29) ; *D. ossinovkensis* Shcherbovich (p. 30) **spp. n.** Russia, Carboniferous, **Rauzer-Chernousova,** D. M. & **Shcherbovich,** S. F.

Darbyella (*?*) *irregularia* (p. 220) **sp. n.** Jurassic, Dnepr–Don basin, **Blank,** M. I. ; *D. kollmanni* (p. 21) ; *D. nothi* (p. 21) **spp. n.** Trias, Austria, **Oberhauser,** R. ; *D. utilis* (p. 95) **sp. n.** Crimea, USSR, Cretaceous, **Gorbachik,** T. N. *in* **Drushchitz,** V. V. & **Kudryavtzev,** M. P.

Daviesina intermedia (p. 54) **sp. n.** Palaeocene, Pakistan, **Smout,** A. H. & **Haque,** A. F. M. M.

Dendritina lajasensis (p. 616) **sp. n.** Miocene, Puerto Rico, **Gordon,** W. A. **(3).**

Dentalina admodicostata (p. 33) ; *D. luma* (p. 34) ; **spp. n.** Cretaceous, W. Australia, **Belford,** D. J. **(1)** ; *D. brückmanni* (p. 414) ; *D. shokhinae* (p. 415) ; **spp. n.** Jurassic, Tatarakaya ASSR, **Mjatliuk,** E. V. **(2)** ; *D. matutina multicostatana* (p. 435) Neuweiler **nom. nov.** pro *D. multicostata* Terquem 1866 non d'Orbigny 1840 ; *D. matutina waaseri* (p. 436) Hagenmeyer **nom. nov.** pro *D. fasciata* Terquem 1866 non Seguenza 1862, Lias, Germany, **Bach,** H., **Hagenmeyer,** P. & **Neuweiler,** F. ; *D. praecommunis* (p. 295) **sp. n.** Cretaceous, Alaska, **Tappan,** H. ; *D.* (*?*) *pseudoaculeata* (p. 14), Cretaceous ; *D. crosswicksensis* (p. 15) ; *D. rancocasensis* (p. 15) ; *D. toulmini* (p. 16) Palaeocene ; **spp. n.** New Jersey, USA, **Olsson,** R. K. ; *D. pseudoarcuata* (p. 360) **nom. nov.** pro *D. arcuata* Paalzow 1917 non Reuss 1861, Jurassic, Germany, **Seibold,** E. & **Seibold,** I. **(3)** ; *D. unguis* (p. 36) **sp. n.** Permian, Russia, **Voronov,** P. S. ; *D. vadaszi* (p. 23) **sp. n.** Austria, Trias, **Oberhauser,** R. ; *D.* (*?*) *vomeriformis* (p. 78) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(1).**

Dentalinopsis globiferum nammalensis (p. 139) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(1).**

Dictyoconos Blanckenhorn 1900 (an invalid original spelling of *Dictyoconus* Blanckenhorn 1900) proposed placement on Official Index of Rejected and Invalid Generic Names, **Frizzell,** D. L. ; *Dictyoconos* Blanckenhorn 1900 (an invalid original spelling of *Dictyoconus* Blanckenhorn 1900) placed on the Official Index of Rejected and Invalid Generic Names, **Opinion 585.**

Dictyoconus Blanckenhorn 1900, type-species *Patellina egyptiensis* Chapman 1900, proposed placement on the Official List of Generic Names, **Frizzell,** D. L. ; *Dictyoconus* Blanckenhorn 1900, comment on proposed addition to the Official List, **Dusenbury,** A. N. ; *Dictyoconus* Blanckenhorn 1900, placed on the Official List of Generic Names, **Opinion 585.**

Diffusulininae **subfam. n.** (p. 217) of Saccamminidae, type-genus *Diffusulina* Heron-Allen & Earland 1924, **Loeblich,** A. R. & **Tappan,** H. **(7).**

Diplotremina **gen. n.** (p. 64) of Discorbidae, type sp. *D. astrofimbriata* (p. 64) ; *D. placklesiana* (p. 65) ; *D. subangulata* (p. 67) **spp. n.** Trias, Austria, **Kristan-Tollmann,** E.

Discobolivina elongata (p. 383) **sp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. **(3).**

Discorbinella timida (p. 116); *D. lepida* (p. 117); **spp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.

Discorbis anellus (p. 63) **sp. n.** Cretaceous, Minor Caucasus, USSR, **Aliyulla,** Kh. **(1);** *D. arcuatus* (p. 151) **sp. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. **(2);** *D. elatoumbonatus* (p. 131) **sp. n.** *D. micrus* (p. 63) and *D. assimetricus* (p. 63) **spp. n.** [in a table]; Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V.; *D. ergenensis* **sp. n.** (p. 225) Eocene, USSR, **Morozova,** V. G. & **Sudarikov,** Yu. A.; *D. frescoensis* (p. 57) **sp. n.** Palaeocene, Ivory Coast, **Lys,** M. **(2);** *D. galearis* (p. 73), *D. zeidensis* (p. 73), *D. subzeidensis* (p. 75), *D. rotundus* (p. 76), *D. spiculumus* (p. 77), *D. reflectorius* (p. 77), *D. agderensis* (p. 79), *D. planocarinatus* (p. 80), *D. elegans* (p. 81), *D. affinis* (p. 81), **spp. n.** *D. a. clivosa* **var. n.** (p. 82), *D. sinuosus* (p. 83), *D. schurutensis* (p. 83) **spp. n.** Palaeogene, Azerbaidjan, **Khalilov,** D. M. **(1);** *D. infracretaceous* (p. 102); *D. crimicus* (p. 103) **spp. n.** Crimea, USSR, Cretaceous, **Schokhina,** V. A. *in* **Drushchitz,** V. V. & **Kudryavtzev,** M. P.; *D. kartvelicus* (p. 49); *D. effusus* (p. 50); *D. urupensis* (p. 51); *D. supinus* (p. 52) **spp. n.** Caucasus, USSR, Miocene, **Krasheninnikov,** V. A. *in* **Zhizhchenko,** B. P. [Ed.]; *D. leo* (p. 118); *D. conicus* (p. 119); *D. gigai* (p. 119) [as *gigae* pp. 92, 94, 121, 123; as *gigai* pp. 93, 119, 134, 138] **spp. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. **(1);** *D. materna* (p. 34) **sp. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. **(3);** *D. miser* (p. 82) **sp. n.** Russia, Cretaceous, **Gorbachik,** T. N.; *D. pseudoinhabilis* (p. 44); *D. balinensis* (p. 45); *D. subarcuatus* (p. 46); *D. lingulatiformis* (p. 46); *D. folliosus* (p. 47); *D. paradoxicus* (p. 48); **spp. n.** Miocene, Russia, **Krasheninnikov,** V. A. **(3);** *D. putillus* (p. 210) **sp. n.** Caucasus, USSR, Cretaceous, **Bukalova,** G. V. **(1);** *D. semiopercularis* (p. 100) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.; *D. speciosus* (p. 45) **sp. n.** Jurassic, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*; *D. tschokrakensis* (p. 172) **sp. n.** Chokrak deposits, Pre-Caucasus, USSR, **Bogdanovich,** A. K. **(2).**

Discorotalia **gen. n.** (p. 141) of Elphidiidae, type sp. *Polystomella tenuissima* Karrer 1865, Oligocene to Miocene, New Zealand, **Hornibrook,** N. de B.

Discospiriniinae Wiesner 1931, see Discospirininae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Discospirininae Wiesner 1931 (p. 291), *nom. correct. pro* subfam. Discospiriniinae Wiesner 1931 [subfam. of Nubeculariidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Discotruncana **gen. n.** (p. 539) of Rotaliidae, type sp. *D. japonica* (p. 539) **sp. n.** Pliocene, Japan, **Shirai,** T.

Doliolina taurica (p. 95) **sp. n.** Russia, Permian, **Tumanskaya,** O. G. **(1).**

Dorothia burdigalensis (p. 22) **sp. n.** Miocene, Majorca, **Colom,** G. **(1);** *D. confraga* (p. 20); *D. conicula* (p. 20); **spp. n.** Cretaceous, W. Australia, **Belford,** D. J. **(1);** *D. hokkaidona* (p. 83) **sp. n.** Hokkaido, Japan, Cretaceous, **Takayanagi,** Y. **(2);** *D. monmouthensis* (p. 7) **sp. n.** Cretaceous, New Jersey, USA, **Olsson,** R. K.; *D. pera* (p. 34) **sp. n.** ? Pliocene, Italy, **Giannini,** E. & **Tavani,** G. **(2);** *D. pupoides nammalensis* (p. 53) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(1);** *D. smokyensis* (p. 23) **sp. n.** Cretaceous, Canada, **Wall,** J. H.

Duostomina (p. 68) **gen. n.** of Discorbidae, type sp. *D. biconvexa* (p. 68); *D. alta* (p. 69); *D. turboidea* (p. 71); *D. rotundata* (p. 72) **spp. n.** Austria, Trias, **Kristan-Tollmann,** E.

Dyocibicides diminuta (p. 56) **sp. n.** Brazil, Quaternary, **Tinoco,** I. de M.; *D. regularis* **sp. n.** (p. 39) Miocene, Czechoslovakia, **Schütznerová-Havelková,** V.

Earlandia consternatio (p. 273) **sp. n.** Kentucky, USA, Carboniferous, **Conkin,** J. E.

Eggerella nishisonogiensis (p. 36) **sp. n.** Oligocene, Japan, **Murata,** S. **(1).**

Ehrenbergina pacifica basispinosa (p. 281) **var. n.** Tortonian, Italy, **Gianotti,** A.; *E. podolica* (p. 137) **sp. n.** Tortonian, Podolia, **Voloshina,** A. M. **(1).**

Ellipsoidella binaria (p. 71) **sp. n.** Cretaceous, W. Australia, **Belford,** D. J. **(1).**

Ellipsonodosaria volgensis (p. 89); *E. helenae* (p. 90) **spp. n.** Crimea, Palaeogene, **Samoilova,** R. B.

Ellipsopleurostomella oligocenica (p. 67) **sp. n.** Oligocene, Italy, **Di Napoli Alliata,** E.

Elphidiella simplex (p. 179) **sp. n.** *E. katangliensis inornata* (p. 181) **var. n.** *E. k. ornata* (p. 181) **var. n.** *E. problematica* (p. 182) **sp. n.** Miocene, Sakhalin, **Voloshinova,** N. A. **(1).**

Elphidium cubanicum (p. 43); *E. farsiensis,* Caucasus, USSR, Miocene, **spp. n.,** **Krasheninnikov,** V. A. *in* **Zhizhchenko,** B. P. [Ed.]; *E. karpaticum* (p. 270) **sp. n.** Palaeogene, N. Carpathians, **Mjatliuk,** E. V. **(1);** *E. ligatum* (p. 50); *E. multacamerum* (p. 51); *E. ferrentegranulum* (p. 52); *E. latusovum* (p. 53); *E. stellans* (p. 54); *E. inclarum* (p. 55); *E. mirandum* (p. 56); *E. ukrainicum* (p. 57) **spp. n.** Miocene, Russia, **Krasheninnikov,** V. A. **(4);** *E. miikense* (p. 82) **sp. n.** Palaeogene, Japan, **Murata,** S. **(2);** *E. miussrensis* (p. 109); *E. kvesanensis* Archvadze (p. 109); *E. mariae* Archvadze (p. 110); *E. phrenidae* (p. 110); **spp. n.** *E. tumidum umbilicata* (p. 111) **var. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. **(1);** *E. mundulum* (p. 846) **sp. n.** Oligocene, Eniwetok Atoll, **Todd,** R. & **Low,** D.; *E. nakanokawaense* (p. 538) **sp. n.** Pliocene, Japan, **Shirai,** T.; *E. negramicus* (p. 77); *E. azizbekovi* (p. 78); *E. alizadei* (p. 78); **spp. n.** *E. crispum robusta* (p. 125) **var. n.** *E. rugosum djalairica* (p. 126) **var. n.** *E. venustus* (p. 128) **sp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V.; *E. paraskevaidisi* (p. 105) **sp. n.** Pliocene, Greece, **Christodoulou,** G.; *E. pulvereum* (p. 201) **sp. n.** Pleistocene, Mediterranean, **Todd,** R. **(1);** *E. rugosum atschiensis* (p. 170) **var. n.** Pre-Caucasus, USSR, Chokrak deposits, **Suzin,** A. V. *in* **Bogdanovich,** A. K. **(2);** *E. subnodosum minor* **subsp. n.** (p. 685) Oligocene, Germany, **Ellerman,** C. **(1);** *E. subrotatum* (p. 129) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.

Enantiodentalina temirensis (p. 39) **sp. n.** Cretaceous, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*

Enantiomarginulina borovensis (p. 275); **sp. n.** Eocene, Belorussia, **Fursenko,** A. V. & **Fursenko,** K. B. **(2).**

Enantiomorphinidae Marie 1941, see Enantiomorphininae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Enantiomorphininae Marie 1941 (p. 298), *nom. transl. ex* fam. Enantiomorphinidae Marie 1941 [subfam. of Polymorphinidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Endostaffella **gen. n.** (p. 20) of Endothyridae, type sp. *Endothyra parva* Möller 1880, Carboniferous, Russia, **Rozovskaya,** S. E. **(3).**

Endothyra altilis (p. 150) **sp. n.** Carboniferous, Elchanka, USSR, **Orlova,** I. N.; *E. austrotridica* (p. 15); *E. grünbachensis* (p. 15); *E. küpperi* (p. 16) **spp. n.** Austria, Trias, **Oberhauser,** R.; *E. radiosa* (p. 93); *E. lytvensis* (p. 94) **spp. n.** Lower Turnian ? Urals, USSR, **Malakhova,** N. P. **(1);** *E. sazonovi* (p. 156); *E. turbida* (p. 158); *E. absoluta* (p. 159); *E. dentata* (p. 159); *E. orbiculata* (p. 160); *E. demini* (p. 161); *E. mylvica* (p. 163); **spp. n.**; *E. latispiralis lecta* (p. 164) **var. n.** *E. agilis* (p. 164); *E. tuberiformis* (p. 165); *E. komi* (p. 166); *E. decliva* (p. 167); *E. advena* (p. 167); *E. polita* (p. 168); *E. silva* (p. 169); *E. karasikae* (p. 170); *E. longa* (p. 171); *E. rigida* (p. 172); *E. rauserae* (p. 173); *E. omraensis* (p. 173); *E. tantula* (p. 174); *E. alviterna* (p. 175); *E. resida* (p. 176) [all Durkina names]; *E. cara* Schlykova (p. 177); *E. timanica* (p. 178); *E. peculiaria* (p. 179); *E. augusta* (p. 180); *E. uchtovensis* (p. 180); *E. elegantula* (p. 182); *E. arguta* (p. 183); **spp. n.** *E. crassa substricta* (p. 185) **var. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V.; *E. scitula* (p. 26) **nom. nov.** pro *E. symmetrica* Zeller 1957 non Morozova 1949, **Toomey,** D. F. **(1).**

Endothyracea Brady 1884 (p. 284) *nom. correct. pro* superfam. Endothyridea Glaessner 1945, *nom. transl. ex* subfam. Endothyrinae Brady 1884 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Endothyranopsinae Reitlinger **subfam. n.** (p. 196) of Endothyridae, pro *Endothyranopsis* Cummings 1955, and *Rhenothyra* Beckman 1950, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Endothyridae, systematic survey, **Rozovskaya,** S. E. **(3) & (4).**

Endothyridea, systematics and phylogeny, **Reitlinger,** E. A. **(2);** Endothyridea Glaessner 1945, see Endothyracea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Endothyrinae Brady 1884, see Endothyracea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Entolingulina **gen. n.** (p. 220) of Glandulinidae, type sp. *Lingulina aselliformis* Buchner 1942, **Loeblich,** A. R. & **Tappan,** H. **(7).**

Entosolenia elongata (p. 133); *E. excellens* (p. 133) **spp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V.; *E. maciae* (p. 103); *E. georgiana* (p. 103) **spp. n.** [as *georgianas* p. 125] Miocene, Georgia SSR, **Dzhanelidze,** O. I. **(1).**

Eofusulininae Rauser & Rosovskaya **subfam. n.** (p. 210) of Fusulinidae, pro *Verella* Dalmatskaya 1952 and *Eofusulina* Rauser 1951, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Eoglobigerina **subgen. n.** (p. 87) of *Globigerina* q.v., **Morozova,** V. G. **(6).**

Eoguttulina (?) mironovi (p. 423); *E. karlaensis* (p. 424); **spp. n.** Jurassic, Tatarskaya ASSR, **Mjatliuk,** E. V. **(2);** *E. (?) permiana* (p. 39) **sp. n.** Permian, Russia, **Voronov,** P. S.

Eolagena **gen. n.** (p. 1006) of Lagenidae, type-sp. *E. minuta* **sp. n.** (p. 1006) Silurian, Siberia, **Lipina,** O. A. **(1).**

Eolasiodiscus **gen. n.** (p. 75) of Lasiodiscidae, type sp. *E. donbassicus* (p. 76); *E. galinae* (p. 76) **spp. n.** Russia, Permian, **Reitlinger,** E. A. **(1).**

Eorupertia Yabe & Hanzawa 1925, contains *Gyroidinella* La Calvez 1949; placed in the superfam. Bilamellidea Reiss (in press), **Reiss,** Z. **(3).**

Eosigmoilina **gen. n.** (p. 17) of Miliolidae, type sp. *E. explicata* (p. 18) **sp. n.** Carboniferous, Russia, **Ganelina,** R. A. *in* **Kiparisova,** L. D., **Markovski,** B. P. & **Radchenko,** G. P. [Eds.].

Eostaffella paraprisca (p. 189); *E. subtilis* (p. 189); *E. oldae* (p. 190); *E. rotunda* (p. 191); *E. zelenicä* (p. 192); **spp. n.** *E. mediocris minima* (p. 193) **var. n.** *E. adducta* (p. 194); *E. lancetiformis* (p. 196); **spp. n.** *E. mosquensis variabilis* (p. 197) **var. n.** *E. ikensis pressa* (p. 200) **var. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V.; *E. versabilis* (p. 151) **sp. n.** Carboniferous, Elchanka, USSR, **Orlova,** I. N.

Eostaffelloides **gen. n.** (p. 361) of Ozawainellidae, type-species *E. orientalis* **sp. n.** (p. 361) Permian, Russia, **Miklukho-Maklay,** A. D. **(5).**

Eotuberitina (p. 159) **gen. n.** of Tuberitinidae **fam. n.** q.v.; type sp. *Tuberitina m'javkini* Reitlinger 1950=*Eotuberitina reitlingerae* Miklukho-Maklay **nom. nov.,** Carboniferous, Moscow basin, USSR, **Miklukho-Maklay,** A. D. **(3).**

Eouvigerina campanica (p. 72) **sp. n.** Campanian, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*

Eouvigerinidae Cushman 1927 (p. 300) *nom. transl. ex* subfam. Eouvigerininae Cushman 1927 [fam. of Buliminacea], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Eouvigerininae Cushman 1927, see Eouvigerinidae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Epistomaroides graecus graecus (p. 106) **sp. n.** *E. g. transparens* (p. 106) **subsp. n.** *E. g. semipunctatus* (p. 107) **subsp. n.** Pliocene, Greece, **Christodoulou,** G.

Epistomina brückmanni, E. multialveolata and *E. nemunensis* (p. 166) [MS. in a table] Oxfordian, Lithuania, **Grigelis,** A. **(1);** *E. ghoshi* (p. 36) **sp. n.** India, Jurassic, **Subbotina** & **Datta** *in* **Subbotina,** N. N., **Datta,** A. K. & **Srivastava,** B. N.; *E. inopinata* (p. 216); *E. aspera* (p. 216) **spp. n.** Cretaceous, Caucasus, USSR, **Bukalova,** G. V. **(1);** *E. nemunensis* (p. 193) **sp. n.** Oxfordian, Russia, **Grigelis,** A. A. *in* **Grigelis,** A. A., **Lyubimova,** P. S. & **Rygina,** P. T.

Epistominella cassidulinoides (p. 121); *E. iota* (p. 122) **spp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.; *E. dubia* (p. 145) **sp. n.** Palaeocene, W. Pakistan, **Haque,** A. F. M. M. **(1);** *E. suttsuensis* (p. 541); *E. hokkaidoensis* (p. 542) **spp. n.** Pliocene, Japan, **Shirai,** T.

Epistominidae Wedekind 1937, see Epistomininae, **Loeblich,** A. R. & **Tappan,** H. (3).

Epistomininae Wedekind 1937 (p. 317) *nom. transl. ex* fam. Epistominidae Wedekind 1937 [subfam. of Ceratobuliminidae], **Loeblich,** A. R. & **Tappan,** H. (3).

Epistominita **gen. n.** of Epistominidae (p. 98), type sp. *E. sudaviensis* **sp. n.** (p. 99) Jurassic, Lithuania, **Grigelis,** A. (4).

Epistominoides communis (p. 47) **sp. n.** Azerbaidjan SSR, Barremian, **Kuznetzova,** Z. V. *in* **Bykova,** N. K. *et al.* ; *E. primaevus* (p. 68) **sp. n.** Jurassic, Lithuania, **Grigelis,** A. (5).

Eponides Montfort 1808, suppressed, type sp. *Nautilus repandus* Fichtel & Moll, is a *nomen dubium* and *Pulvinulina repanda* Brady 1884, on which Cushman 1927, based his redescription of *Eponides*, is cogeneric with the type sp. of *Poroeponides*, **Reiss,** Z. (5) ; *E. alabaminaeformis* (p. 191) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4) ; *E. asanoi* (p. 540) **sp. n.** Pliocene, Japan, **Shirai,** T. ; *E. bandyi* (p. 332) ; *E. birdi* (p. 332) ; *E. goudkoffi* (p. 333) ; *E. greatvalleyensis* (p. 333) **spp. n.** Cretaceous, California, **Trujillo,** E. F. ; *E. belorussiensis* (p. 125) ; *E. grodnoensis* (p. 129) ; **spp. n.** Cretaceous, Belorussia, **Akimetz,** V. S. (4) ; *E. dignus* (p. 68) **sp. n.** [in text] Cretaceous, Siberia, **Bulatova,** Z. I. (2) ; *E. diversus* (p. 82) **sp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1) ; *E. globuliformis* (p. 524) ; *E. rotaliformis* (p. 524) **spp. n.** Cretaceous, Canada, **McGill,** P. C. & **Loranger,** D. M. ; *E. gulistanensis* (p. 65) ; *E. karatschayaensis* (p. 65) ; **spp. n.** *E. k. minor* (p. 66) **var. n.** ; *E. transcaucasensis* (p. 67) **sp. n.** Cretaceous, Minor Caucasus, USSR, **Aliyulla,** Kh. (1) ; *E. helenentalensis* (p. 40) **sp. n.** Trias, Austria, **Oberhauser,** R. ; *E. majzoni* **sp. n.** (p. 36) Miocene, Hungary, **Nyírő,** M. R. (2) ; *E. naraensis* (p. 388) **sp. n.** Miocene, Japan, **Tai,** Y. (1) ; *E. octocameratus* (p. 38) ; *E. binominatus* (p. 39) ; **spp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V. ; *E. omnivagus* (p. 321) **mut. n., nom. nov.** pro *E. spiratus* Łuczkowska 1955, Tortonian, Poland, **Łuczkowska,** E. ; *E. saridaschensis* (p. 89) **sp. n.** Cenomanian, Azerbaidjan SSR, **Geodakchan,** A. A. ; *E. yoshidae* (p. 127) **sp. n.** Hokkaido, Japan, Cretaceous, **Takayanagi,** Y. (2).

Eponidopsis **gen. n.** (p. 16), type sp. *Eponides lornensis* Finlay 1939, includes *Eponides ocalana* and *E.* (*Pulvinulina*) *mariannensis*, Eocene to Recent, Israel, **Reiss,** Z. (5).

Eulepidina [subgenus of *Lepidocyclina*] tentatively suggested to contain *Nephrolepidina, Eulepidina, Trybliolepidina* and *Multilepidina*, **Cole,** W. S. (3).

Eulinderina Barker & Grimsdale 1936, considered a synonym of *Polylepidina* Vaughn 1924 (subgen. of *Lepidocyclina*) (p. 57), **Cole,** W. S. (4).

Evlania **gen. n.** (p. 20) of Ophthalmidiidae, type sp. *E. transversa* (p. 20) ; *E. devonica* (p. 21) ; **spp. n.** Devonian, Russia, **Bykova,** E. V. (1).

Fabiania indica (p. 192) **sp. n.** Assam, Eocene, **Nagappa,** Y. (1) ; *F. pentagonalis* (p. 84) **sp. n.** *F. cassis pustulosa* (p. 84) **var. n.** Ankara, Eocene, **Dizer,** A. (2).

Fabularia bella (p. 167) **sp. n.** Eocene, Belgium, **Kaasschieter,** J. P. H.

Fabularidea Reuss 1862, see Fabulariinae, **Loeblich,** A. R. & **Tappan,** H. (3).

Fabulariinae Ehrenberg 1839 (p. 293) *nom. correct. pro* subfam. Fabularidea Reuss 1862, *nom. transl. ex* fam. Fabularina Ehrenberg 1839 [subfam. of Miliolidae], **Loeblich,** A. R. & **Tappan,** H. (3).

Fabularina Ehrenberg 1839, see Fabulariinae, **Loeblich,** A. R. & **Tappan,** H. (3).

Falsopalmula dolomitica (p. 29) **sp. n.** Austria, Trias, **Oberhauser,** R.

Falsotetrataxis **gen. n.** of Trochamminidae (p. 95), type sp. *Tetraxis scutella* Cushman–Waters, Pennsylvanian–Permian, Algeria, **Deleau,** P. & **Marie,** P.

Faujasinella **gen. n.** (p. 162) of Elphidiinae, type sp. *Elphidium semiinvolutum* Mjatliuk 1956, Eocene, Carpathians, **Voloshinova,** N. A. (1).

Ferganites **gen. n.** (p. 16) of Schwagerinidae, type sp. *Triticites ferganensis* M.-Maklay 1950, Carboniferous, Asia, *F. whitei* **nom. nov.** (p. 16) pro *Triticites secalicus* Say *in* White 1932, **Miklukho-Maklay,** A. D. (4).

Flabellammina agglutinans (p. 17) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2) ; *F. almansana* (p. 28) **sp. n.** Cretaceous, Spain, **Colom,** G. (8) ; *F. chapmani* (p. 292) **sp. n.** Cretaceous, Alaska, **Tappan,** H. ; *F. jacksoni* (p. 31) **sp. n.** Eocene, New Zealand, **Hornibrook,** N. de B.

Flabellinella crassecostata (p. 446) **sp. n.** Lias, Germany, **Bach** *in* **Bach,** H., **Hagenmeyer,** P. & **Neuweiler,** F.

Flexurella **gen. n.** (p. 407) of Reitlingerellida **ord. n.** q.v., type sp. *F. obvoluta* (p. 407) ; *F. discoidea* (p. 407) **spp. n.** Cambrian, Russia, **Vologdin,** A. G.

Flintina georgii (p. 162) **sp. n.** Chokrak deposits, Pre-Caucasus, USSR, **Bogdanovich,** A. K. (2).

Florilus vitriumbonatus (p. 198) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4).

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Forschiella gigantea (p. 145) **sp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V.

Frankeina dahindensa **sp. n.** (p. 46) Jurassic, Canada, **Loranger,** D. M. (2).

Frondicularia bettenstaedti (p. 44) **sp. n.** Hauterivian, Germany, **Zedler,** B. (2) ; *F. bicornis mariae* (p. 173) **nom. nov.** pro *F. b. rhomboidalis* Marie 1941 non d'Orbigny 1826, non Terquem 1862, Austria, Cretaceous, **Tollmann,** A. ; *F. bulla* (p. 49) ; *F. disjuncta* (p. 50) ; *F. costulifera* (p. 51) ; **spp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1) ; *F. crassa* (p. 412) **sp. n.** Jurassic, Tatarskaya ASSR, **Mjatliuk,** E. V. (2) ; *F. crimica* (p. 89) **sp n.** Crimea, USSR, Cretaceous, **Schokhina,** V. A. *in* **Drushchitz,** V. V. & **Kudryavtzev,** M. P. ; *F. durrelli* (p. 323) **sp. n.** Cretaceous, California, **Trujillo,** E. F. ; *F. franconica impressa* (p. 472) **subsp. n.** Jurassic, Germany,

Lutze, G. F. ; *F. linearis nammalensis* (p. 90) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1) ; *F. mölleri angusta* (p. 368) **subsp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. (3) ; *F. ruttneri* (p. 36) **sp. n.** Persia, Trias, **Oberhauser,** R. ; *F. schäflei* (p. 445) **sp. n.** Lias, Germany, **Hagenmeyer** *in* **Bach,** H., **Hagenmeyer,** P. & **Neuweiler,** F. ; *F. sectorialis* (p. 37) ; *F. propria* (p. 38) **spp. n.** Permian, Russia, **Voronov,** P. S. ; *F. suprajurensis* (p. 153) **sp. n.** Oxfordian, Russian Platform, **Mjatliuk,** E. V. (3).

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Fusulinella annae (p. 75) ; *F. gigantea* (p. 76) **spp. n.** Don Basin, USSR, Carboniferous, **Pogrebnyak,** V. O. ; *F. aravanensis* (p. 8) ; *F. subcylindrica* (p. 9) ; *F. kaledai* (p. 10) ; *F. oviformis* (p. 11) ; *F. altispiralis* (p. 13) ; *F. curtissima* (p. 14) ; *F. longiaxilaris* (p. 14) **spp. n.** Carboniferous, Russia, **Bogush,** O. I. (1) ; *F. falsa* (p. 172) ; *F. bella* (p. 173) **spp. n.** Timan, Russia, Permian, **Grozdilova,** L. P. & **Lebedeva,** N. S. ; *F. nuxoidalis* (p. 95) **sp. n.** Carboniferous, Russia, **Manukalova,** M. F. ; *F. zelleri* (p. 1133) **sp. n.** Carboniferous, Ward Hunt Is., **Thompson,** M. L. (2).

Fusulinidae Möller 1878, see Fusulinacea, **Loeblich,** A. R. & **Tappan,** H. (3) ; Fusulinidae, systematics and phylogeny, **Miklukho-Maklay,** A. D., **Rauzer-Chernousova,** D. M. & **Rozovskaya,** S. E.

Fusulinina Wedekind 1937, **nom. correct.** (p. 219) pro Fusulinacea Wedek. 1937, includes Parathuramminacea Bykova 1955, Endothyracea Brady 1884 and Fusulinacea Möller 1878, **Loeblich,** A. R. & **Tappan,** H. (7).

Fusulininae Rhumbler 1895, **nov. emend.** (p. 28) includes *Fusulina, Hemifusulina, Pseudotriticites* and *Quasifusulina,* **Rozovskaya,** S. E. (1).

Fusulinoidea Ciry 1952, see Fusulinacea, **Loeblich,** A. R. & **Tappan,** H. (3).

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Fursenkoininae **nom. nov.** (p. 314) *nom. subst. pro* subfam. Virgulininae Cushman 1927 *nom. nud.* [subfam. of Caucasinidae], **Loeblich,** A. R. & **Tappan,** H. (3).

Gabonella **gen. n.** Klasz, Meijer & Marie (p. 167) of Heterohelicidae, type sp. *G. elongata* Klasz & Meijer (p. 171) ; *G. lata* Klasz & Meijer (p. 172) ; *G. gigantea* Klasz & Meijer (p. 172) ; *G. basispinata* Klasz & Meijer (p. 172) ; *G. spinosa* Klasz & Meijer (p. 173) ; *G. multituberculata* Klasz & Meijer (p. 173) ; *G. distorta* Klasz & Meijer (p. 174) ; **spp. n.** *G. d. irregularis* Klasz & Meijer (p. 174) **subsp. n.** *G. parva* Klasz & Meijer (p. 175) ; *G. tiarella* Marie (p. 177) ; *G. beaugéi* Marie (p. 178) ; *G. gracilis* Marie (p. 178) ; *G. yovanovitchi* Marie (p. 180) ; *G. chouberti* Marie (p. 180) ; *G. lysi* Marie (p. 182) **spp. n.** Cretaceous, W. Africa, **Klasz,** I. de, **Marie,** P. & **Meijer,** M. ; *G. levis* (p. 77) ; *G. obesa* (p. 78) Africa, Cretaceous, **spp. n., Klasz,** I. de, **Marie,** P. & **Rérat,** D.

Gaudryina aculeata (p. 28) **sp. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. (3) ; *G. angustata* (p. 86) **sp. n.** *G. a. angustata* (p. 87) **var. n.** *G. a. compressa* (p. 87) **var. n.** *G. arenosa* (p. 89) ; *G. folium* (p. 90) **spp. n.** Cretaceous, Belorussia, **Akimetz,** V. S. (4) ; *G. barrowensis* (p. 292) **sp. n.** Cretaceous, Alaska, **Tappan,** H. ; *G. cylindrica asiatica* (p. 70) **sp. n.** Palaeogene, Turkmenia, **Morozova,** V. G. (2) ; *G. heersumensis* (p. 445) **sp. n.** Jurassic, Germany, **Lutze,** G. F. ; *G.* (*Pseudogaudryina*) *hiltermanni* (p. 411) **sp. n.** *G.* (*P.*) *h. trigonalis* (p. 413) **subsp. n.** Eocene, Germany, **Meisl,** S. ; *G. imamurai* (p. 382) ; *G. takunoensis* (p. 383) **spp. n.** Miocene, Japan, **Tai,** Y. (1) ; *G. laevigata elongata* (p. 36) **var. n.** *G. davisi* (p. 37) **sp. n.** *G.* (*Siphogaudryina*) *carinata nammalensis* (p. 40) **var. n.** *G.* (*Pseudogaudryina*) *pyramidata nitida* (p. 41) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1) ; *G. lapugyensis maioricensis* (p. 20) **var. n.** *G.* (*Siphogaudryina*) *balearica* (p. 20) ; *G.* (*Pseudogaudryina*) *gymnesica* (p. 21) **spp. n.** Miocene, Majorca, **Colom,** G. (1) ; *G. lvovensis* (p. 71) **sp. n.** Cretaceous, Russia, **Voloshina,** A. M. (2) ; *G. monmouthensis* (p. 6) ; *G. bulloides* (p. 6) **spp. n.** Cretaceous, New Jersey, USA, **Olsson,** R. K. ; *G. pulvina* (p. 10) ; *G. australis* (p. 11) ; **spp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1) ; *G.* (*Gaudryina*) *pseudohayasakai* (p. 82) **sp. n.** Miocene, W. Taiwan, **Chang,** L.-S. (3) ; *G. quadrazea* (p. 25) **sp. n.** Oligocene, New Zealand, **Hornibrook,** N. de B. ; *G. superturkestanica* (p. 581) **sp. n.** ; *G. s. superturkestanica* (p. 581) **var. n.** ; *G. s. kysylkumensis* (p. 583) **var. n.** Eocene, Ferghana, USSR, **Bykova,** N. K. (3) ; *G. typica* **sp. n.** (p. 9) Miocene, Ukraine, **Pischvanova,** L. S. (2) ; *G. uvigeriniformis* (p. 334) **sp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. (3) ; *G.* (*Siphogaudryina*) *yubarensis* (p. 81) **sp. n.** Hokkaido, Japan, Cretaceous, **Takayanagi,** Y. (2).

Gaudryinella caucasica (p. 83) **sp. n.** Cretaceous, Caucasus, USSR, **Schokhina,** V. A. *in* **Drushchitz,** V. V. & **Kudryavtzev,** M. P. ; *G. mendrisiensis* (p. 42) **sp. n.** Cretaceous, Italy, **Gandolfi,** R. ; *G. pseudoasiatica* **sp. n.** (p. 22) Asia, Cretaceous, **Bykova,** N. K. *in* **Bykova,** N. K. *et al.*

Gavelinella awunensis (p. 296) **sp. n.** Cretaceous, Alaska, **Tappan,** H. ; *G. flandrini* (p. 137) **sp. n.** France, Cretaceous, **Moullade,** M. (2) ; *G. insculpta* (p. 109) ; *G. stellula* (p. 110) **spp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1) ; *G. limbata* (p. 35) **sp. n.** Palaeocene, New Jersey, USA, **Olsson,** R. K. ; *G. zealandica* (p. 107) **sp. n.** Tertiary, New Zealand, **Hornibrook,** N. de B.

Gavelinellidae Hofker 1956, see Gavelinellinae, **Loeblich,** A. R. & **Tappan,** H. (3).

Gavelinellinae Hofker 1956 (p. 316) *nom. transl. ex* fam. Gavelinellidae Hofker 1956 [subfam. of Cibicididae], **Loeblich,** A. R. & **Tappan,** H. (3).

Gavelinopsis Hofker 1951 (p. 102), discussion of concept of the genus, **Belford,** D. J. (1); *G. pukeuriensis* (p. 104) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.

Geinitzina indigena (p. 23); *G. reperta* (p. 24); **spp. n.** Devonian, Russia, **Bykova,** E. V. (1); *G. leonardii* (p. 62) **sp. n.** *G. spandeli dolomitica* (p. 65) **subsp. n.** Permian, Italy, **Loriga,** C.

Giraliarella triloba (p. 81) **sp. n.** Permian, W. Australia, **Belford,** D. J. (3).

Glabratella quadrata (p. 108) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.

Glandulina balakhmatovae (p. 43) **sp. n.** Cretaceous, Siberia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*

Glandulinidae Reuss 1860, see Glandulininae, **Loeblich,** A. R. & **Tappan,** H. (3).

Glandulinidea Reuss 1862, see Glandulininae, **Loeblich,** A. R. & **Tappan,** H. (3).

Glandulininae Reuss 1860 (p. 299) *nom. correct. pro* subfam. Glandulinidea Reuss 1862 *nom. transl. ex* fam. Glandulinidae Reuss 1860 [subfam. of Glandulinidae], **Loeblich,** A. R. & **Tappan,** H. (3).

Globanamalina **gen. n.** (p. 147) of Rotaliidae, type sp. *G. ovalis* (p. 148) **sp. n.** *G. o. lakiensis* (p. 149) **var. n.** *G. simplex* (p. 149) **sp. n.** *G. s. orbicularis* (p. 149) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1).

Globigenera Sowerby (G. B.) 1842 (an erroneous subsequent spelling for *Globigerina* d'Orbigny 1826) placed on the Official Index of Rejected and Invalid Generic Names, **Opinion 552.**

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Globigerinacea Carpenter, Parker & Jones 1862, *nom. correct.* (p. 307) *pro* superfam. Globigerinidea Morosova 1957, *nom. transl. ex* fam. Globigerinida Carpenter, Parker & Jones 1862 and *nom. correct. pro* superfam. Globigerinaceae Banner & Blow 1959, *nom. correct. pro* fam. Globigerinidea Morosova 1957 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. (3).

Globigerinaceae, iteration of biocharacters; especially the character of digitate, radially elongate chambers; discussed, **Banner,** F. T. & **Blow,** W. H. (1); Attempted clarification of the taxonomy of species which possess primary types deposited in London and Paris, descriptions of lectotypes, proposed neotypes, syntypes and nomina nova, morphology, taxonomy, stratigraphy and phylogeny discussed, **Banner,** F. T. & **Blow,** W. H. (2); Globigerinaceae Banner & Blow 1959, see Globigerinacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Globigerinida Carpenter, Parker & Jones 1862, see Globigerinacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Globigerinidae of the Palaeogene of Russia, **Subbotina,** N. N. (2).

Globigerinidea note on taxonomy in an article by V. G. Morozovoi, **Subbotina,** N. N. **(3).**

Globigerinidea Morosova 1957, see Globigerinacea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Globigerinella Cushman (see *Hastigerina* Thomson 1876), taxonomic status ; considered to be a developmental stage of a biological unit and thus of no generic significance, **Hofker,** J. **(6)** ; *G. alexi* (p. 177) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(1)** ; *G. evoluta* (p. 58), Subbotina ; *G. praemicra* (p. 59), Subbotina ; *G. subangulata* (p. 60), Ivanova ; **spp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V. ; *G. gottisi* (p. 32) ; *G. duboisi* (p. 33) **spp. n.** France, Cretaceous, **Chevalier,** J. ; "*G.*" *japonica* (p. 131) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. **(2)** ; *G. naguewichiensis* (p. 281) **sp. n.** Palaeogene, N. Carpathians, **Mjatliuk,** E. V. **(1).**

Globigerinelloides minai (p. 151) **sp. n.** Cretaceous, Mexico, **Obregón de la Parra,** J.

Globigerinida Carpenter, Parker & Jones 1862 (an invalid original spelling for Globigerinidae) placed on the Official Index of Rejected and Invalid Family–Group Names, **Opinion 552.**

Globigerinidae (correction of Globerinida) Carpenter, Parker & Jones 1862, given precedence over Orbulinidae Schultze 1854, and placed on the Official List of Family–Group Names, **Opinion 552.**

Globigerinidea morphology, systematics, development and evolution of Palaeogene forms, **Morozova,** V. G. **(5).**

Globigerinita riveroae (p. 1266) Oligocene ; **sp. n.** Caribbean–Antilles, **Bermudez,** P. J. **(2).**

Globigerinitinae **subfam. n.** (p. 1261) of Globigerinidae, type-genus *Globigerinita* Bronnimann 1951, Miocene, Trinidad, **Bermudez,** P. J. **(2).**

Globigerinoides apertasuturalis (p. 352) **sp. n.** Miocene, Australia, **Jenkins,** D. G. ; *G. canimarensis* (p. 1225) Pliocene ; *G. fournieri* (p. 1228) Oligocene ; *G. parkerae* (p. 1232) Miocene ; *G. suleki* (p. 1241) Miocene ; **spp. n.** Caribbean–Antilles region, **Bermudez,** P. J. **(2)** ; *G. parva* (p. 151) **sp. n.** Oligocene, New Zealand, **Hornibrook,** N. de B. ; *G. rubriformis* (p. 92) **sp. n.** Eocene, USSR, **Subbotina,** N. N. **(2)** ; *G. sacculifer brachysacculifer* (p. 111) **subsp. n.** *G. s. minimus* (p. 111) **subsp. n.** *G. s. spinulosus* (p. 111) **subsp. n.** *G. sacculiferoides* (p. 112) **sp. n.** Pliocene, Greece, **Christodoulou,** G. ; *G. subconglobatus micra* (p. 96) **var. n.** Eocene, Caucasus, USSR, **Chutzkaya,** E. K.

Globobulimina pacifica compressa (p. 189) **var. n.** Eocene, California, **Hornaday,** G. R.

Globoendothyra Reitlinger **gen. n.** (p. 196) of Plectogyrinae, type sp. *G. pseudoglobulus* Reitlinger **nom. nov.** (p. 196) pro *Endothyra globulus* Moeller 1878 non Eichwald, Turonian, Russia, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Globoquadrina globularis (p. 1311) Oligocene ; *G. palmerae* (p. 1312) Oligocene ; **spp. n.** Caribbean–Antilles, **Bermudez,** P. J. **(2)** ; *G. langhiana* (p. 242) **sp. n.** Miocene, Italy, **Cita,** M. B. & **Gelati,** R. ; *G. sellii* (p. 209) **sp. n.** Oligocene, Italy, **Borsetti,** A. M.

Globorotalia acutispira (p. 375) **sp. n.** Italy, Palaeocene, **Bolli,** H. M. & **Cita,** M. B. **(2)** ; *G. conica* (p. 358) ; *G. extans* (p. 360) **spp. n.** *G. menardii miotumida* (p. 362) ; *G. m. panda* (p. 364) **subspp. n.** *G. testarugosa* (p. 368) **sp. n.** Miocene, Australia, **Jenkins,** D. G. ; *G. imitata* (p. 206) Jurassic ; *G. conveza* (p. 209) ; *G. planoconica* (p. 210) ; *G. marginodentata* (p. 212) ; *G. lensiformis* (p. 214) ; Eocene **spp. n.** Russia, **Subbotina,** N. N. **(2)** ; *G. kolchidica* (p. 17) **sp. n.** Montian, S. Russia, **Morozova,** V. G. **(8)** ; *G. minuta* (p. 1295) Eocene, **sp. n.** Caribbean–Antilles, **Bermudez,** P. J. **(2)** ; *G. monmouthensis* (p. 47) Cretaceous ; *G. crosswicksensis* (p. 47) Palaeocene ; **spp. n.** New Jersey, USA, **Olsson,** R. K. ; *G. oscitans* (p. 201) **sp. n.** Pleistocene, Mediterranean, **Todd,** R. **(1)** ; *G. praepseudomenardii* **sp. n.** (p. 85) Cretaceous, Netherlands, **Hofker,** J. **(19)** ; *G. quasimembranacea* (p. 53) **sp. n.** Eocene, Russia, **Kachareva,** M. V. ; *G. tetracamerata* (p. 65) ; *G. hexacamerata* (p. 66) ; *G. denseconnexa* (p. 67) ; **spp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V. ; *G. thebaica* (p. 284) **sp. n.** Egypt, Eocene, **Said,** R.

Globorotaliidae of the Palaeogene of Russia, **Subbotina,** N. N. **(2).**

Globorotaliinae, revision of classification, interrelationships of genera and subgenera re-examined, **Banner,** F. T. & **Blow,** W. H. **(1).**

Globorotalites dubifera (p. 38) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(2)** ; *G. hiltermanni* (p. 418) *G. turonicus* (p. 419) **spp. n.** Cretaceous, North-Western Europe, **Kaever,** M. **(2).**

Globotruncana culverensis (p. 569) **sp. n.** Cretaceous, Isle of Wight, **Barr,** E. T. ; *G. erevanica* (p. 9) ; *G. fungicamerata* (p. 11) ; *G. armenica* (p. 12) ; *G. araratica* (p. 14) ; **spp. n.** Cretaceous, Armenia, **Martirosyan,** Y. A. ; *G. fundiconulosa* **sp. n.** (p. 200), Senonian, USSR, **Subbotina,** N. N. **(2)** ; *G. japonica* (p. 135) **sp. n.** *G. j. robusta* (p. 136) **subsp. n.** *G. hanzawae* (p. 136) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. **(2)** ; *G. lapparenti depressa* (p. 113) **subsp. n.** *G. riojae* (p. 116) *G. rugosa* (p. 119) **spp. n.** Cretaceous, Mexico, **Olvera,** Y. E. ; *G. mariei* (p. 40) **nom. nov.** pro *G. cretacea* Cushman 1938 non d'Orbigny 1840, **Banner,** F. T. & **Blow,** W. H. **(2)** ; *G. monmouthensis* (p. 50) **sp. n.** Cretaceous, New Jersey, USA, **Olsson,** R. K. ; *G. semsalensis* (p. 493) **sp. n.** Cretaceous, Switzerland, **Corminboeuf,** P. **(2)** ; *G. subrosetta* **sp. n.** (p. 90) ; Cenomanian, Azerbaidjan SSR [as *subrosseta* (p. 91)], **Geodakchan,** A. A. ; *G.* (*Globotruncana*) *subspinosa* (p. 101) **sp. n.** *G.* (*Rugotruncana*) *gansseri dicarinata* (p. 103) **subsp. n.** Cretaceous, Puerto Rico, **Pessagno,** E. A. **(1)** ; *G. ticinensis* (p. 113) *G. renzi* (p. 124) ; *G. stephani* (p. 130) **spp. n.** Cretaceous, Italy, **Gandolfi,** R.

Globulina gibba rarispina (p. 45) **subsp. n.** Italy, Pliocene ?, **Giannini,** E. & **Tavani,** G. **(2)** ; *G. gravida lineata* (p. 185) **var. n.** Belgium, Eocene, **Kaasschieter,** J. P. H. ; *G. oolithica inflata* (p. 428) **var. n.** ; *G. o. russiensis* (p. 429) **var. n.** ; Jurassic, Tatarskaya ASSR, **Mjatliuk,** E. V. **(2)** ; *G. praelacrima* (p. 155) **sp. n.** Barremian, Russian Platform, **Mjatliuk,** E. V. **(3).**

Glomospira aptiensis (p. 143) **sp. n.** Cretaceous USSR, **Mjatliuk,** E. V. **(3)** ; *G. doneziana* (p. 75) **sp. n.** Jurassic, Donetz basin, **Vasilievskaya** *in* **Krimholz,** G.

[Ed.]; *G. glomerosa* (p. 56), *G. reata* (p. 76), *G. tortuosa* (p. 57) **spp. n.** Cretaceous, Wyoming, **Eicher,** D. L.; *G. grzybowskii* (p. 339) **sp. n.** Palaeocene, Poland, **Jurkiewicz,** H. (2); *G. inconsueta* (p. 177) **sp. n.**; *G. charoides minima* (p. 179) **var. n.**; *G. pileolus* (p. 179) **sp. n.**; Miocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4); *G. infracarbonica* (p. 5) **sp. n.** Russia, Jurassic, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*; *G. scaphoidea* (p. 526); *G. eucalla* (p. 526); *G. parammodiscus* (p. 527); *G. obesa* (p. 527); **spp. n.** Cretaceous, Canada, **McGill,** P. C. & **Loranger,** D. M.; *G. subcharoides* (p. 25) **sp. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. (3); *G. vytchegda* (p. 137) **sp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V.

Glomospiranella ? opulenta (p. 141) **sp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V.

Glomospirella gibbosa (p. 180) **sp. n.** Miocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4); *G. kugultinskensis* (p. 6) **sp. n.** Russia, Eocene, **Subbotina,** N. N. *in* **Bykova,** N. K. *et al.*

Gošcella carpathica **sp. n.** (p. 60) Cretaceous, Poland, **Liszkowa,** J. (1).

Gublerina **gen. n.** (p. 331) of Neoschwagerininae, type *Yabeina elongata* Gubler 1935, Japan, **Minato,** M. & **Honjo,** S.

Guembelina Egger 1899, shown to be a junior synonym of *Heterohelix* Ehrenberg 1841, and a junior homonym of *Guembelina* Kuntz 1895, **Loeblich,** A. R. & **Tappan,** H. (4).

Gümbelina midwayensis nammalensis (p. 119) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1); *G. papula* (p. 57) **sp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1); *G. parva* (p. 202) **sp. n.** Palaeocene, Russia, **Vasilenko,** V. P.; *G. plana* (p. 118); *G. pseudostriata* (p. 119); **spp. n.** Oligocene, Pre-Carpathians, USSR, **Ivanova,** L. V. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V.; *G. pumilia* (p. 94); *G. mica* (p. 95) **spp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina,** N. N. (1).

Gümbelitria dammula (p. 82) **sp. n.** Cretaceous, Russia, **Voloshina,** A. M. (2); *G. irregularis* (p. 17) **sp. n.** Danian, S. Russia, **Morozova,** V. G. (8).

Guttulina ikebei (p. 76) **sp. n.** Miocene, Japan, **Chiji,** M.; *G. ipatovcevi* (p. 199); *G. lidiae* (p. 201); **spp. n.** Palaeocene, Russia, **Vasilenko,** V. P.; *G. otiakensis* (p. 55) **sp. n.** Oligocene, New Zealand, **Hornibrook,** N. de B.; *G. tinchalica* (p. 426) **sp. n.** Jurassic, Tatarskaya ASSR, **Mjatliuk,** E. V. (2).

Gyroidina girardana limbata (p. 151) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1); *G. globosa rumoiensis* (p. 125) **subsp. n.** Hokkaido, Japan, Cretaceous, **Takayanagi,** Y. (2); *G. hamiltoni* (p. 527) **sp. n.** Canada, Cretaceous, **McGill,** P. C. & **Loranger,** D. M.; *G. nitidaformis* (p. 89) **sp. n.** Cenomanian, Azerbaidjan SSR [as *nitidaformus* (p. 91)], **Geodakchan,** A. A.; *G. nitida infracretacea* (p. 40) **var. n.** Cretaceous, Russia, **Morozova,** V. G. (1); *G. noda* (p. 79); *G. exserta* (p. 80) **spp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1); *G. tayyabi* (p. 29) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2).

Gyroidinella Le Calvez 1949=a junior synonym of *Eorupertia* Yabe & Hanzawa 1925, **Reiss,** Z. (3).

Gyroidinoides imitata (p. 36) **sp. n.** Cretaceous, New Jersey, USA, **Olsson,** R. K.; *G. subzelandica* (p. 113) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.; *G. yokoyamai* (p. 134) **sp. n.** Tertiary, Japan, **Ujiié,** H. & **Watanabe,** H.

Haerella **gen. n.** (p. 112) of Rupertiidae, type sp. *H. conica* (p. 115); *H. globosa* (p. 116) **spp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1).

Haeuslerella decepta (p. 21) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.

Hagenowella Cushman 1933, see *Arenobulimina,* **Loeblich,** A. R. & **Tappan,** H. (8).

Hagenowina **gen. n.** (p. 242) of Ataxophragmiidae, type sp. *Valvulina quadribullata* von Hagenow 1842, Cretaceous, Germany, **Loeblich,** A. R. & **Tappan,** H. (8).

Halkyardia minima indica (p. 174) **var. n.** Eocene, India, **Tewari,** B. S.

Hantkeninidae of the Palaeogene of Russia, **Subbotina,** N. N. (2).

Hanzawaia oshimaensis (p. 46) **sp. n.** Oligocene, Japan, **Murata,** S. (1); *H. solei* (p. 30) **sp. n.** Miocene, Spain, **Colom,** G. (8).

Haplophragmella antica (p. 11) **sp. n.** Carboniferous, Russia, **Shlykova,** T. I. *in* **Pozner,** V. M. & **Shlykova,** T. I.

Haplophragmellinae Reitlinger **subfam. n.** (p. 185) of Lituolidae, for *Mstinia* Mikhailov 1939, *Endothyrina* Mikhailov 1934, *Haplophragmella* Rauser & Reitlinger 1936 and *Haplophragmina* Reitlinger 1950, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Haplophragmoides asanoi (p. 69); *H. formosus* (p. 71); *H. horridus* (p. 71); *H. makinoi* (p. 72); *H. obesus* (p. 73) **spp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. (2); *H. chapmani* (p. 33) **nom. nov.** pro *H. latidorsatum* Chapman 1892, Cretaceous, Russia, **Morozova,** V. G. (1); *H. curviseptus* (p. 54) **sp. n.** Cretaceous, Asia, **Suleimanov,** I. S. (1); *H. globosum* (p. 327) **sp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. (3); *H. granulosum* (p. 44) [in a table] **sp. n.** Palaeogene, Siberia, **Lipman,** R. Kh. (2); *H. grzybowskii* (p. 268) **sp. n.** Palaeogene, N. Carpathians, **Mjatliuk,** E. V. (1); *H. indicus* **sp. n.** (p. 276) [non descr.] Cretaceous, India, **Sastry,** M. V. A. & **Sastri,** V. V.; *H. jalamensis* (p. 49) **sp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V.; *H. kjurendagensis* **sp. n.** (p. 60) Palaeogene, Turkmenia, **Morozova,** V. G. (2); *H. medius* (p. 79); *H. subsphaeroides* (p. 80) **spp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina,** N. N. (1); *H. memorabilis* (p. 35) **sp. n.** Jurassic, Russia, **Sharovskaya,** N. V.; *H. quinquelocularis* (p. 182) **sp. n.** Miocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4); *H. schumikhaensis* (p. 16); *H. darwini* (p. 18); **spp. n.** Cretaceous, Siberia, USSR, **Dain,** L. G. (2); *H. sewellensis* (p. 5) **sp. n.** Cretaceous, New Jersey, USA, **Olsson,** R. K.; *H. snatolensis* (p. 179) Budasheva, Kamchatka; *H. khandasaensis* (p. 182) E. Lautenschläger, Sakhalin; *H. subimpressus* (p. 183) Voloshinova, Kamchatka; Oligocene; *H. pulchellus* (p. 184) Voloshinova; *H. laminatus* (p. 185) Voloshinova; *H. oblongus* (p. 186) Voloshinova, Sakhalin; *H. postlaminatus* (p. 189) Budasheva, Kamchatka; *H. indentatus* (p. 190) Voloshinova;

H. globoangulatus (p. 191) Voloshinova ; *H. impressus* (p. 192) Voloshinova ; *H. latiseptatus* (p. 194) E. Lautenschläger **spp. n.** Miocene, Sakhalin, **Voloshinova,** N. A. & **Budasheva,** A. I. ; *H. uniorbis* (p. 59) **sp. n.** Cretaceous, Wyoming, **Eicher,** D. L. ; *H. uruchiensis* (p. 80) **sp. n.** Cretaceous, Caucasus, USSR, **Schokhina,** V. A. *in* **Drushchitz,** V. V. & **Kudryavtzev,** M. P. ; *H. ventosus* (p. 475) **sp. n.** Jurassic, Saratov, Russia, **Khabarova,** T. N. **(1)** ; *H. walteri parvulus* (p. 20) **var. n.** Eocene, Poland, **Blaicher,** J. **(1).**

Hastigerina eocenica (p. 85) **sp. n.** Eocene, N.W. Germany, **Berggren,** W. A. **(1).**

Hastigerinella bizonae (p. 34) **sp. n.** Cretaceous, France, **Chevalier,** J. ; *H. caucasica* (p. 58) **sp. n.** Russia, Eocene, **Subbotina,** N. N. *in* **Bykova,** N. K. *et al.* ; *H. eocaenica caucasica* (p. 5) **var. n.** Eocene, Azerbaidjan SSR, **Khalilov,** D. M. **(2).**

Hastigerininae, revision of classification, interrelationships of genera and subgenera re-examined, **Banner,** F. T. & **Blow,** W. H. **(1).**

Hastigerinoides cepedai (p. 151) **sp. n.** Cretaceous, Mexico, **Obregón de la Parra,** J.

Hauerina podolica (p. 62) ; *H. lyra* (p. 63) **spp. n.** Miocene, Russia, **Serova,** M. Ya. **(1).**

Hedbergella amabilis (p. 274) ; *H. brittonensis* (p. 274) ; Texas ; *H. hiltermanni* (p. 275) ; Germany ; **spp. n.** Cretaceous, **Loeblich,** A. R. & **Tappan,** H. **(2).**

Hedbergellinae **subfam. n.** (p. 309) of Rotaliporidae, type-genus *Hedbergella* Bronniman & Brown 1958, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Helicolepidina Tobler 1922, review of the genus, *H. polygyralis* Barker, and *H. paucispira* Barker & Grimsdale, placed in *Helicostegina polygyralis* ; two species recognized *H. spiralis* Tobler, and *H. nortoni* Vaughn, Eocene, **Cole,** W. S. **(4).**

Helicostegina Barker & Grimsdale 1936, review of the genus, *H. gyralis* Barker & Grimsdale 1936 (p. 58) considered a synonym of *H. dimorpha* B. & G. 1936 (=type sp.), *H. polygyralis* (Barker) contains *Helicolepidina polygyralis* Barker, *Helicolepidina paucispira* Barker & Grimsdale, and *Helicostegina soldadensis* Grimsdale, **Cole,** W. S. **(4).**

Hemicristellaria haboroensis (p. 109) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. **(2).**

Hemidiscus contractus (p. 149) **sp. n.** Carboniferous, Saratov, USSR, **Orlova,** I. N. ; *H. kalmiussi* (p. 9) **sp. n.** Russia, Jurassic, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*

Hemifusulina graciosa suboylindrica (p. 97) **var. n.** Russia, Carboniferous, **Manukalova,** M. F.

Hemigordiella **gen. n.** of Ophthalmidiidae (p. 75), type sp. *Hemigordius calcarea* Cushman-Waters, Carboniferous, Algeria, **Deleau,** P. & **Marie,** P.

Hemigordiellina **gen. n.** of Ophthalmidiidae (p. 76), type sp. *Glomospira diversa* Cushman-Waters, Carboniferous, Algeria, **Deleau,** P. & **Marie,** P.

Hemigordius morillensis (p. 333) **sp. n.** Kentucky, USA, Carboniferous, **Conkin,** J. E.

Heminwayina zealandica (p. 114) **sp. n.** Eocene, New Zealand, **Hornibrook,** N. de B.

Hemirobulina nagaoi (p. 117) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. **(2).**

Hemisphaeramminae **subfam. n.** (p. 277) of Saccamminidae, type-genus *Hemisphaerammina* Loeblich & Tappan 1957, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Heronallenia desioi (p. 147) **sp. n.** Miocene, Italy, **Ruscelli,** M.

Heteroclypeus Schubert 1906, validity questioned (p. 99), **Puri,** H. S. **(2).**

Heterohelix Ehrenberg 1841, contains *Spiroplecta* Ehrenberg 1844, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Heterostegina rupelica (p. 360) ; *H. margaritacea* (p. 360) **spp. n.** Oligocene, Hungary, **Majzon,** L. **(1).**

Heterosteginella Silvestri 1937, created for forms intermediate between *Operculinella* and *Spiroclypeus* is invalid since no species were named [Int. Com. Zool. Nom. Art. 25], **Puri,** H. S. **(2).**

Heterostegininae reclassified (p. 98) ; following genera retained in this subfamily : *Heterostegina* d'Orbigny 1826 [type-genus] ; *Spiroclypeus* Douvillé 1905, and *Cycloclypeus* Carpenter 1856, **Puri,** H. S. **(2).**

Heterostomella praefoveolata (p. 98) Mjatliuk ; *H. bullata* (p. 101) ; **spp. n.** Cretaceous, Belorussia, **Akimetz,** V. S. **(4)** ; *H. rara* (p. 88) **sp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina,** N. N. **(1)** ; *H. siphonella* (p. 195) **sp. n.** Mesozoic, Russia, **Rygina,** P. T. *in* **Grigelis,** A. A., **Lyubimova,** P. S. & **Rygina,** P. T.

Hofkeruva **gen. n.** (p. 472) of Uvigerinidae, type sp. *H. mata* (p. 473) **sp. n.** *Hofkeruva* **subgen. n.** (p. 473) of *Hofkeruva* **gen. n.** *H. (H.) m. zealta* (p. 473) **subsp. n.** *H. (H.) taranakia* (p. 474) **sp. n.** *H. (Laminiuva) tutamoea* (p. 474) **subgen. et sp. n.** *H. (L.) t. altonica* (p. 474) **subsp. n.** *H. (L.) zelamina* (p. 474) **sp. n.** *H. (Tereuva) picki* (p. 475) **subgen. et sp. n.** *H. (T.) semiteres* (p. 475) ; *H. (T.) primigena* (p. 476) ; *H. (T.) euteres* (p. 476) **spp. n.** *H. (Trigonouva) zeacuminata* (p. 476) **subgen. et sp. n.** *H. (T.) gargantua* (p. 477) ; *H. delicatula* (p. 477) ; *H. whakatua* (p. 478) ; *H. pseudojavana* (p. 478) **spp. n.** Oligocene and Miocene, New Zealand, **Vella,** P.

Hormosina ovulum gigantea (p. 43) **var. n.** Poland, Cretaceous, **Geroch,** S. **(1)** ; *H. spinulosa* (p. 268) **sp. n.** Palaeogene, N. Carpathians, **Mjatliuk,** E. V. **(1).**

Hyperammina Brady 1878 emend. Conkin 1954, formal proposal (p. 254) that the 1954 pp. 167, 168 discussion of the generic concept of *Hyperammina* be recognized as constituting generic revision of *Hyperammina* ; *H. casteri* (p. 260) **sp. n.** Indiana, USA, Carboniferous, **Conkin,** J. E. ; *H. borealis subtilensis* (p. 28) **var. n.** Permian, Russia, **Voronov,** P. S. ; *H. conica* (p. 1212) **sp. n.** Texas, Carboniferous, **Gutschick,** R. C., **Weiner,** J. L. & **Young,** L. ; *H. devoniana* (p. 406) **sp. n.** Devonian, W. Australia, **Crespin,** I. **(7)** ; *H. ? flexuosa* (p. 92) ; *H. lingulata* (p. 92) **spp. n.** Devonian, Urals, USSR, **Malakhova,** N. P. **(1)** ; *H. gvidoensis* (p. 266) **sp. n.** Palaeogene, N. Carpathians, **Mjatliuk,** E. V. **(1)** ; *H. nuda* (p. 69) **sp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina,** N. N. **(1)** ; *(?) H. sibirica* **sp. n.** (p. 1005), *H. sibirica grandis* **form. n.** (?) (p. 1005) Silurian, Siberia, **Lipina,** O. A. **(1).**

Hyperamminoides affectus (p. 29) **sp. n.** Permian, Russia, **Voronov,** P. S.

Illigata Bykova 1956, placed by Fursenko 1959, in Umbellinae, considered a ? bryozoan, **Loeblich,** A. R. & **Tappan,** H. (3).

Involutina Terquem 1862, status ; restricted to planispiral calcareous species, with lateral umbilical filling, similar to type sp. *I. jonesi* Terquem & Piette 1862=*I. liasina* (Jones) 1853, **Loeblich,** A. R. & **Tappan,** H. (1) ; *I. carinata* (p. 10) **sp. n.** Rhaetic, Lias, Germany, **Leischner,** W. ; *I. hashimotoi* (p. 68) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. (2).

Involvina **gen. n.** (p. 76) of Anomalininae, type sp. *I. obliqua* (p. 76) **sp. n.** Trias, Austria, **Kristan-Tollmann,** E.

Iraqia barremiana (p. 191) **sp. n.** France, Barremian, **Moullade,** M. (3).

Jaculella vulgaris (p. 266) **sp. n.** Palaeogene, N. Carpathians, **Mjatliuk,** E. V. (1).

Karreriella mutinensis (p. 22) **sp. n.** Miocene, Italy, **Dieci,** G. ; *K. tanabensis* (p. 383) **sp. n.** Miocene, Japan, **Tai,** Y. (1) ; *K. tutkowskii* (p. 263) **sp. n.** Eocene, Belorussia, **Fursenko,** A. V. & **Fursenko,** K. B. (2).

Kathina nammalensis **sp. n.** (p. 56) Palaeocene, Pakistan, **Smout,** A. H. & **Haque,** A. F. M. M.

Kolesnikovella **gen. n.** (p. 68) of Buliminidae, type sp. *Tritaxia elongata* Halkyard 1918, Eocene, Russia, **Bykova,** N. K. *in* **Bykova,** N. K. *et al.*

Kordeella **gen. n.** (p. 407) of Reitlingerellida **ord. n.** q.v., type sp. *K. campylodroma* (p. 407) **sp. n.** Cambrian, Russia, **Vologdin,** A. G.

Kurnubia Henson 1948 (1947) emend. (p. 589), type sp. *K. palastiniensis* Henson 1948 (1947) ; includes *Valvulinella wellingsi* and *V. jurassica* Henson (1948), Jurassic, Iraq, **Smout,** A. H. & **Sugden,** W.

Labyrinthochitina **gen. n.** (p. 58) of Maylisoriidae, type sp. *L. tastikoliensis* (p. 58) ; *L. grandis* (p. 59) ; *L. pellita* (p. 60) ; *L. gemma* (p.60) ; **spp. n.** Ordovician, Russia, **Bykova,** E. V. (3).

Lacosteina paynei (p. 116) **sp. n.** Cretaceous, California, **Graham,** J. J. & **Clark,** D. K. (1).

Laffitteina boluensis (p. 38) *L.* cf. *bibensis* (p. 40) **spp. n.** Palaeocene, Turkey, **Dizer,** A. (1).

Lagena adjivilensis (p. 82) ; *L. pseudohispida* (p. 82) **spp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova.** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V. ; *L. castrensis transversostriata* **subsp. n.** (p. 157), *L. montuiriensis* (p. 161), *L.* (*Reussoolina*) *burdigalensis* (p. 162) **spp. n.** Miocene, Majorca, **Colom,** G. (7) ; *L. ebensbergeri* (p. 62) **sp. n.** Pliocene, Carpathos Is., Greece, **Christodoulou,** G. ; *L. rancocasensis* (p. 24) ; *L. distincta* (p. 24) ; *L. pseudocostata* (p. 24) **spp. n.** Palaeocene, New Jersey, USA, **Olsson,** R. K. ; *L. reticulato-striata* (p. 101) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1) ; *L. sulcata georgiana* Archvadze (p. 101) **var. n.** *L. thatheae* (p. 102) **sp. n.** [as *thathae* pp. 91, 94, 121, 123, 124 ; as *thatheae* pp. 102, 137 ; as *thathoae* p. 93] Miocene, Georgia SSR, **Dzhanelidze,** O. I. (1).

Lagenammina ampullacea (p. 404) **sp. n.** Devonian, W. Australia, **Crespin,** I. (7).

Lagenonodosaria scalaris dodekanesensis (p. 66) **subsp. n.** Pliocene, Greece, **Christodoulou,** G.

Lagynacea Schultze 1854 (p. 274) *nom. correct. pro* superfam. Lagynidea Sigal 1952, *nom. transl. ex* fam. Lagynida Schultze 1854 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. (3).

Lagynida Schultze 1854, see Lagynacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Lagynidea Sigal 1952, see Lagynacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Lamarckina pauxilla (p. 100) **sp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina,** N. N. (1) ; *L. praenaheolensis* (p. 37) **sp. n.** Cretaceous, New Jersey, USA, **Olsson,** R. K. ; *L. reedana* (p. 336) **sp. n.** Cretaceous, California, **Trujillo,** E. F.

Laminiuva **subgen. n.** (p. 474) of *Hofkeruva* **gen. n.** q.v., **Vella,** P.

Lankesterina **gen. n.** (p. 219) of Nodosariidae, type sp. *Bolivina frondea* Cushman 1922, Oligocene, **Loeblich,** A. R. & **Tappan,** H. (7).

Laryngosigma antarctica (p. 24) ; *L. liquida* (p. 25) ; **spp. n.** Antarctica, Recent, **Crespin,** I. (2).

Lasiodiscidae **fam. n.** (p. 74) (type sp. *Ammodiscus gracilis* Dain), for *Howchinia* Cushman 1927, *Lasiodiscus* Reichel 1945, *Lasiotrochus* Reichel 1945, and *Eolasiodiscus* Reitlinger **gen. n.** q.v., **Reitlinger,** E. A. (1) ; Lasiodiscidae Reitlinger **fam. n.** (p. 342) of Foraminifera Incertae Sedis, pro *Howchinia* Cushman 1927, *Monotaxinoides* Brazhnikova & Jarzeva 1956, *Eolasiodiscus* Reitlinger 1956, *Lasiodiscus* Reichel 1946, and *Lasiotrochus* Reichel 1946, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Lasiodiscus alaicus (p. 122) **sp. n.** Carboniferous, Russia, **Bogush,** O. I. (2).

Laticarinina hispanica (p. 77) **sp. n.** Spain, Tertiary, **Colom,** G. (2).

Lebedevaella **gen. n.** (p. 408) of Reitlingerellida **ord. n.** q.v., type sp. *L. involventis* (p. 408) **sp. n.** Cambrian, Russia, **Vologdin,** A. G.

Lenticulina atheria (p. 32) ; *L. subalatiformis* (p. 33) ; *L. dulcis* (p. 34) ; *L.* (*Vaginulinopsis*) *gregorii* (p. 35) ; *L.* (*Astacolus*) *volubilis* (p. 37) **spp. n.** Jurassic, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.* ; *L.* (*Marginulinopsis*) *breyeri* (p. 41) **sp. n.** Hauterivian, Germany, **Zedler,** B. (2) ; *L. californiensis* (p. 311) **sp. n.** Cretaceous, California, **Trujillo,** E. F. ; *L. cinna* (p. 99) ; *L. laudata* (p. 99) ; *L. molesta* (p. 100) ; *L. parmula* (p. 100) ; *L. sculptaeformis* (p. 101) **spp. n.** Crimea, USSR, Jurassic, **Hofman,** O. A. ; *L.* (*Lenticulina*) *clara* (p. 482) ; *L.* (*L.*) *immodulata* (p. 483) ; *L.* (*L.*) *compacta* (p. 484) ; all Khabarova, T. N. ; *L.* (*L.*) *cidaris* (p. 485) Kosyreva, V. F. ; *L.* (*Astacolus*) *concinna* (p. 486) Khabarova, T. N. ; *L.* (*A.*) *mira* (p. 488) Kosyreva, V. F. ; **spp. n.** Saratov, Russia, Jurassic, **Khabarova,** T. N. (1) ; *L. cuvillieri* (p. 134) **sp. n.** France, Cretaceous, **Moullade,** M. (2) ; *L. dilectaformis* (p. 15) **sp. n.** Jurassic, India, **Subbotina** & **Srivastava** *in* **Subbotina,** N. N., **Datta,** A. K. & **Srivastava,** B. N. ;

L. erratica (p. 38) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B. ; *L.* (*Saracenaria*) *franconica* **sp. n.** (p. 95), Jurassic, Germany, **Ziegler,** J. H. (1) ; *L.* (*Lenticulina*) *gorynica* (p. 268) ; *L.* (*L.*) *grodnensis* (p. 268) ; **spp. n.** Eocene, Belorussia, **Fursenko,** A. V. & **Fursenko,** K. B. (2) ; *L. grycí* (p. 292) **nom. nov.** pro *L. frankei* Marie 1941 non Eichenberg 1933 ; *L. topagorukensis* (p. 292) **sp. n.** Cretaceous, Alaska, **Tappan,** H. ; *L. harpaformis* (p. 401) ; *L. praerussiensis* (p. 405) ; *L. okrojanzi* (p. 406) ; **spp. n.** Jurassic, Tatarskaya ASSR, **Mjatliuk,** E. V. (2) ; *L. incrassata* (p. 196) ; *L. elongata* (p. 197) ; *L. elata* (p. 197) ; *L. delicata* (p. 198) **spp. n.** Jurassic, Russia, **Rygina,** P. T. *in* **Grigelis,** A. A., **Lyubimova,** P. S. & **Rygina,** P. T. ; *L. jurassica* (p. 97) **sp. n.** Jurassic Russia, **Kuznetzova,** K. I. (2) ; *L. macra* (p. 91) ; *L. tumulata* (p. 92) **spp. n.** Crimea, USSR, Cretaceous, **Gorbachik,** T. N. *in* **Drushchitz,** V. V. & **Kudryavtzev,** M. P. ; *L.* (*Astacolus*) *neoradiata* **nom. nov.** (p. 430) pro *L.* (*A.*) *radiata* Franke 1936, Bartenstein & Brand 1937, Usbeck 1952 & Weihmann (MS. 1952) Lias, Germany, **Neuweiler** *in* **Bach,** H., **Hagenmeyer,** P. & **Neuweiler,** F. ; *L. nostra*, *L. delicatula* and *L. tympana* (p. 166) [MS. in a table], Oxfordian, Lithuania, **Grigelis,** A. (1) ; *L. obirashibensis* (p. 103) ; *L. shuparensis* (p. 104) ; *L. tanakae* (p. 104) ; *L. yabei* (p. 104) **spp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. (2) ; *L. perezi* (p. 143) ; *L. maldonadoi* (p. 143) **spp. n.** Cretaceous, Mexico, **Obregón de la Parra,** J. ; *L. pseudocrassa* (p. 144) ; *L. cultratiformis* (p. 145) ; *L. primaformis* (p. 146) ; *L. tumida* (p. 147) Callovian ; *L. samaraensis* (p. 149) Oxfordian ; *L. klähni* (p. 149) Kimmeridgian **spp. n.** Jurassic, USSR, **Mjatliuk,** E. V. (3) ; *L. sowerbyi donbassica* (p. 209) **subsp. n.** *L.* (*?*) *cumulata* (p. 210) **sp. n.** *L.* (*?*) *c. plana* (p. 212) **subsp. n.** *L. confragosa* (p. 213) ; *L. interrumpa* (p. 214) ; *L. oreliensis* (p. 215) ; *L. primarea* (p. 217) ; *L. perlucea* (p. 218) ; *L. alfa* (p. 219) **spp. n.** Dnepr–Don basin, Jurassic, **Blank,** M. I. ; *L. suprajurassica* (p. 528) **sp. n.** Jurassic, Cambridgeshire, **Gordon,** W. A. (1) ; *L.* (*Robulus*) *zuratkensis* (p. 422) **sp. n.** Oligocene, Czechoslovakia, **Pokorný,** V. (3).

Lepidocyclina, tentative revision of subgenera, contains *Polylepidina*, *Pliolepidina*, *Eulepidina* and *Lepidocyclina* s.s., **Cole,** W. S. (3) ; *Lepidocyclina*, discussion of subgenera, and key for their recognition, **Cole,** W. S. (5) ; *L.* (*Polylepidina*) *antillea* contains *Eulinderina* in its synonymy, **Cole,** W. S. (4) ; *L.* (*Lepidocyclina*) *giraudi* R. Douvillé 1907 ; *L.* (*L.*) *asterodisca* Nuttall 1932 ; *L.* (*L.*) *miraflorensis* Vaughan 1927 ; and *L.* (*L.*) *waylandvaughani* Cole 1928, are considered synonyms of *L.* (*L.*) *canellei* Lemoine & R. Douvillé 1904 (p. 386) ; *L.* (*L.*) *mantelli* (Morton) 1833, considered a distinct species, **Cole,** W. S. (7) ; *L.* (*Nephrolepidina*) *martini kamalae* (p. 425) **var. n.** *L.* (*Tryblolepidina*) *kathiawarensis* (p. 429) ; *L.* (*T.*) *raoi* (p. 431) **spp. n.** Miocene, India, **Chatterji,** A. K. ; *L.* (*Nephrolepidina*) *sumatrensis tapiensis* (p. 73) **var. n.** Miocene, India, **Rao,** S. R. N. & **Singh,** S.

Lepidolininae **subfam. n.** (p. 10) of Neoschwagerinidae, pro *Yabeina* Deprat 1914, and *Lepidolina* Lee 1933, Permian, **Miklukho-Maklay,** A. D. (2).

Lepidorbitoides minima pembergeri (p. 163) **subsp. n.** Campanian, Austria, **Papp,** A. (2).

Lingulina aghdarbandi (p. 30) Persia ; *L. draconsimilis* (p. 31) ; *L. infirmis* (p. 31) Austria ; *L. iranica* (p. 32) Persia ; **spp. n.** *L. i. sieberi* (p. 33) **subsp. n.** Persia ; *L. klebelsbergi* (p. 34) **sp. n.** Austria, Trias, **Oberhauser,** R. ; *L. californiensis* (p. 314) ; *L. lucillea* (p. 315) **spp. n.** California, Cretaceous, **Trujillo,** E. F. ; *L. melendezi* (p. 53) **sp. n.** ? Miocene, Spain, **Moreno Cardona,** I. ; *L. nodosariformis* (p. 31) **sp. n.** Callovian, Tatar ASSR, **Mjatliuk,** E. V. *in* **Bykova,** N. K. *et al.* ; *L. triangulata* (p. 293) **sp. n.** Nevada, USA, Trias, **Schell,** W. W. & **Clark,** D. L.

Lingulininae **subfam. n.** (p. 298) of Nodosariidae, type-genus *Lingulina* d'Orbigny 1826, **Loeblich,** A. R. & **Tappan,** H. (3).

Lingulonodosaria divina (p. 52) ; *L. fimbriata* (p. 54) ; *L. nobilissima* (p. 57) **spp. n.** Jurassic, Russia, **Sharovskaya,** N. V.

Lituola postlamarcki (p. 325) **sp. n.** Cretaceous, Mons basin, **Hofker,** J. (2).

Lituolacea Lamarck 1809 (p. 277) *nom. correct. pro* superfam. Lituolidea Glaessner 1945 *nom. transl. ex* fam. Lituolacea Lamarck 1809 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. (3).

Lituolidea Glaessner 1945, see Lituolacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Lituonella cuvillieri (p. 32) **sp. n.** Eocene, France, **Poignant,** A. (1) ; *L. cuvillieri* Poignant 1960, considered a synonym of *L. depressa* Azzaroli 1950, *L. kerfornei* Allix 1921, considered a synonym of *L. roberti* Schlumberger 1905, **Poignant,** A. (2).

Lituosepta **gen. n.** (p. 104) of Lituolidae, type sp. *L. recoarensis* (p. 104) **sp. n.** Lias, Italy, **Cati,** F. (1).

Lituotuba nodus (p. 474) V. F. Kosyreva **sp. n.** Jurassic, Saratov, Russia, **Khabarova,** T. N. (1) ; *L. semiplana* (p. 297) **sp. n.** Tennessee, USA, Carboniferous, **Conkin,** J. E.

Lituotubella glomospiroides solncevi (p. 146) **var. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V. ; *L.* (*?*) *prima* (p. 9) ; *L. certa* (p. 10) **spp. n.** Carboniferous, Russia, **Shlykova,** T. I. *in* **Pozner,** V. M. & **Shlykova,** T. I.

Lockhartia sijuensis (p. 39) **sp. n.** *L. hunti garoensis* (p. 40) **var. n.** Assam, ? Eocene, **Samanta,** B. K. (2) ; *L. susuaensis* (p. 97) **sp. n.** Palaeocene–Eocene, Puerto Rico, **Pessagno,** E. A. (1).

Loeblichia translucens (p. 17) **sp. n.** Carboniferous, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*

Loeblichiinae Cummings 1955 (p. 286) *nom. correct. pro* subfam. Loeblichinae Cummings 1955 [subfam. of Endothyridae], **Loeblich,** A. R. & **Tappan,** H. (3).

Loeblichinae Cummings 1955, see Loeblichiinae, **Loeblich,** A. R. & **Tappan,** H. (3).

Loftusiinae Brady 1884 (p. 280) *nom. correct. pro* subfam. Loftusinae Brady 1884 [subfam. of Lituolidae], **Loeblich,** A. R. & **Tappan,** H. (3).

Loftusinae Brady 1884, see Loftusiinae, **Loeblich,** A. R. & **Tappan,** H. (3).

Loxostoma colchicum (p. 150) **sp. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. (2).

Loxostomoides **gen. n.** (p. 3) of Bolivinidae, type sp. *Bolivina applini* Plummer 1927 (recte *B. applinae*) Cretaceous, Israel, **Reiss,** Z. (1) ; *Loxostomoides* Reiss 1957, taxonomic status, here considered a

subgenus of *Bolivina* d'Orbigny 1839, **Reyment,** R. A. (1).

Loxostomum Ehrenberg 1854, taxonomic status, **Reyment,** R. A. (1); *L. goodwoodensis* (p. 76) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.; *L. kolchidicum* (p. 63) **sp. n.** Palaeocene, Russia, **Morozova,** V. G. *in* **Bykova,** N. K. *et al.*; *L. rugosum* (p. 27) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2).

Lugtonia Cummings 1955, considered of doubtful generic status, if " overlapping nature of chambers " is of generic value, then *Lugtonia* could be considered a valid genus in the Reophacidae not in the Earlandiidae, **Conkin,** J. E.; *L. concinna minima* (p. 80) **sp. n.** Russia, Carboniferous, **Fomina,** E. V. (2).

Lukaschevella **gen. n.** (p. 408) of Reitlingerellida **ord. n.** q.v., type sp. *L. spiralis* (p. 408), *L. tannuolaica* (p. 408) **spp. n.** Cambrian, Russia, **Vologdin,** A. G.

Marginulina d'Orbigny 1826, type sp. = *M. raphanus* d'Orb. 1826 non *Nautilus raphanus* Linné 1758, **Loeblich,** A. R. & **Tappan,** H. (6); *M. ashiyaensis nakadoensis* (p. 81) **subsp. n.** *M. iojimaensis* (p. 81) **sp. n.** Palaeogene, Japan, **Murata,** S. (2); *M. balearica* (p. 149), *M. binisalemensis* (p. 150) **spp. n.** Miocene, Majorca, **Colom,** G. (7); *M. declivis curva* (p. 357) **subsp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. (3); *M. glabra nammalensis* (p. 74) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1); *M. karnica* (p. 22) **sp. n.** Trias, Austria, **Oberhauser,** R.; *M. loisana* (p. 325) **sp. n.** Cretaceous, California, **Trujillo,** E. F.; *M. mukaei* (p. 385) **sp. n.** Japan, Miocene, **Tai** & **Okamoto** *in* **Tai,** Y. (1); *M. obliquecostulata* (p. 434) **sp. n.** *M. parasimplex* (p. 434) **nom. nov.** pro *M. simplex* (Terquem 1864) non Karrer 1862, Lias, Germany, **Hagenmeyer** *in* **Bach,** H., **Hagenmeyer,** P. & **Neuweiler,** F.; *M. olgae* (p. 273) **sp. n.** Eocene, Belorussia, **Fursenko,** A. V. & **Fursenko,** K. B. (2); *M. reussi* **nom. nov.** (p. 89) pro *M. inaequalis* Reuss 1860 non Costa 1855, Cretaceous, Germany, **Takayanagi,** Y. (2); *M. spinulosa* (p. 151); *M. eichenbergi* (p. 151) **spp. n.** Barremian, Russian Platform, **Mjatliuk,** E. V. (3).

Marginulinopsis behmi asiaticus (p. 73) **var. n.** Palaeogene, Turkmenia, **Morozova,** V. G. (2); *M. chandlerensis* (p. 293) *M. reiseri* (p. 293) **spp. n.** Cretaceous, Alaska, **Tappan,** H.; *M. hydropica* (p. 43) **sp. n.** Oligocene, New Zealand, **Hornibrook,** N. de B.; *M. praetschoppi* (p. 324) **sp. n.** Cretaceous, California, **Trujillo,** E. F.; *M. pseudosetosa* **sp. n.** (p. 224) Eocene, USSR, **Morozova,** V. G. & **Sudarikov,** Yu. A.

Mariella **gen. n.** (p. 41) of Polymorphinidae, type sp. *M. sibirica* (p. 41) **sp. n.** Cretaceous, Siberia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*

Marssonella conica (p. 7) **sp. n.** Cretaceous, New Jersey, USA, **Olsson,** R. K.; *M. doneziana* (p. 25) **sp. n.** Jurassic, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*; *M. hauteriviana* (p. 213) **sp. n.** France, Cretaceous, **Moullade,** M. (4); *M. kummi* (p. 31) **sp. n.** Hauterivian, Germany, **Zedler,** B. (2); *M. oxycona nammalensis* (p. 50) **var. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1).

Martinottiella Cushman 1933, contains *Schenckiella* Thalmann 1942, **Loeblich,** A. R. & **Tappan,** H. (7).

Massilina elegans (p. 118); *M. vulgaris* (p. 119); *M. ovalis* (p. 120); *M. sigmoidea* (p. 120) **spp. n.** Palaeogene, Aral–Turgan plain, USSR, **Serova,** M. Ya. (3); *M. pernambucensis* (p. 16) **sp. n.** Quaternary, Brazil, **Tinoco,** I. de M.

Maylisoria **gen. n.** (p. 31) of Maylisoriidae, type sp. *M. pseudoscheda* (p. 33); *M. substricta* (p. 37); *M. scita* (p. 38); *M. gliris* (p. 39); *M. eisenackia* (p. 40); *M. biglobosa* (p. 41); *M. maylisoriensis* (p. 42); *M. perfecta* (p. 43); *M. magna* (p. 43); *M. pseudocostata* (p. 44); *M. camerata* (p. 45); *M. fragilis* (p. 46); *M. subtilis* (p. 46); *M. folaria* (p. 47); *M. urbana* (p. 48); *M. obunca* (p. 49); *M. harrenda* (p. 51); *M. pannosa* (p. 51); *M. multiformis* (p. 52); *M. sarisa* (p. 53); *M. senta* (p. 54); *M. flexuosa* (p. 55); *M. rotunda* (p. 56); *M. concentrica* (p. 57); *M. recta* (p. 57) **spp. n.** Ordovician, Russia, **Bykova,** E. V. (3).

Maylisoriidae **fam. n.** (p. 20) of Astrorhizida, pro *Blastammina* Eisenack 1932, *Ordovicina* Eisenack 1937, *Chitinolagena* Bykova **gen. n.** q.v., *Maylisoria* Bykova **gen. n.** q.v. and *Labyrinthochitina* Bykova **gen. n.** q.v., Ordovician, Russia, **Bykova,** E. V. (3).

Mediocris **gen. n.** (p. 20) of Ozawainellidae, type sp. *Eostaffella mediocris* Vissarionova 1948, Carboniferous, Russia, **Rozovskaya,** S. E. (3).

Melonis bradyi **nom. nov.** (p. 152) pro *Nonionina umbilicatula* Brady 1884 non *Nautilus umbilicatulus* Walker & Jacob 1798 nec *Nautilus umbilicatulus* Montagu 1803, Atlantic Ocean; *M. sphaeroides* **nom. nov.** (p. 153) pro *Nonionina pompilioides* Brady 1884 non *Nautilus pompilioides* Fichtel & Moll 1798, Okhotsk Sea, **Voloshinova,** N. A. (1); *M. praevius* (p. 200) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4).

Melonisinae **subfam. n.** (p. 147) of Nonionidae, pro *Melonis* Montfort 1808, and *Paranonion* Logue & Haas 1943, Miocene, America, **Voloshinova,** N. A. (1).

Mesoendothyra **gen. n.** (p. 19) of Mesoendothyridae, type sp. *M. izjumiana* **sp. n.** (p. 20) Jurassic, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*; *Mesoendothyra* Dain **gen. n.** (p. 198) of Mesoendothyridae, type sp. *M. izjumiana* Dain 1956, Jurassic, Ukraine, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Mesoendothyridae **fam. n.** (p. 19) pro *Mesoendothyra* Dain **gen. n.** q.v. and *Pseudocyclammina* Yabe & Hanzawa 1926, Jurassic to Cretaceous, **Voloshinova,** N. A. *in* **Bykova,** N. K. *et al.*; Mesoendothyridae Voloshinova **fam. n.** (p. 198) of Endothyrida, pro *Mesoendothyra* Dain **gen. n.** q.v., *Pseudocyclammina* Yabe & Hanzawa 1926 and *Choffatella* Schlumberger 1904, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Mikhailovella popleformis (p. 187); *M. uchtovica* (p. 187); **spp. n.** Timano-Pechora, USSR, Carboniferous, **Durkina,** A. V.

Miliammina inflata **sp. n.** (p. 70) Cretaceous, Wyoming, **Eicher,** D. L.; *M. mjatliukae* (p. 15) **sp. n.** Barremian, Kazakhstan SSR, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*; *M. olgae* (p. 42) **sp. n.** Poland, Jurassic, **Bielecka,** W. (2); *M. rasilis* (p. 68) **sp. n.** [in text] Cretaceous, Siberia, **Bulatova,** Z. I. (2); *M. velatina* (p. 93) **sp. n.** Trans-Carpathians, Miocene, **Venglinsky,** I. V. (3).

Miliola prisca terquemi (p. 164) **var. n.** Belgium, Eocene, **Kaasschieter,** J. P. H.

Miliolacea Ehrenberg 1839 (p. 289) *nom. correct. pro* superfam. Miliolidea Glaessner 1945, *nom. transl. ex* fam. Miliolina Ehrenberg 1839, *nom. correct. pro* superfam. Miliolicae Easton 1960 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. (3).

Miliolicae Easton 1960, see Miliolacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Miliolidae d'Orbigny 1846, new to the Mississippian system, **Conkin,** J. E. ; Miliolidae Delage & Hérouard 1896, see Miliolina, **Loeblich,** A. R. & **Tappan,** H. (7).

Miliolidea Glaessner 1945, see Miliolacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Miliolina Ehrenberg 1839, see Miliolacea, **Loeblich,** A. R. & **Tappan,** H. (3) ; Miliolina Delage & Hérouard 1896, *nom. correct.* (p. 219) *pro* Miliolidae Del. & Hér. 1896, includes Miliolacea Ehrenberg 1839, **Loeblich,** A. R. & **Tappan,** H. (7).

Miliolina boueana plana (p. 141) **var. n.** *M. ungeriana abrupta* (p. 142) **var. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. (2) ; *M. lachesis gracilissima* (p. 149) **var. n.** ; *M. dmitrievae* (p. 150) **sp. n.** ; *M. caucasica longiuscula* (p. 152) **var. n.** ; *M. litoralis* (p. 153) ; *M. orbignyana* (p. 154) ; **spp. n.** Chokrak deposits, Pre-Caucasus, USSR, **Bogdanovich,** A. K. (2) ; *M. podolica* **sp. n.** (p. 307) Miocene, Podolia, **Didkovsky,** V. Y. (4) ; *M. reussi talischensis* (p. 109) **var. n.** *M. r. azerbaidjanica* (p. 110) **var. n.** *M. pseudovoloshinovae* (p. 112) ; *M. bejukdusica* (p. 116) ; *M. articulinoides* (p. 117) ; *M. rotunda* (p. 117) ; *M. gidjakensis* (p. 164) ; *M. simplex* (p. 165) ; *M. quadrilonga* (p. 165) ; **spp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetsova,** Z. V. ; *M. sulcata valdecarinata* **var. n.** (p. 291) Palaeogene, Roumania, **Barbu,** I. Z. (1).

Miliospirella **gen. n.** (p. 75) of Spirillinidae, type sp. *M. lithuanica* (p. 77) **sp. n.** Lithuania SSR, Jurassic, **Grigelis,** A. *in* **Bykova,** N. K. *et al.*

Millerella recta (p. 201) ; *M. pauperis* (p. 202) **spp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V.

Miniuva **gen. n.** (p. 480) of Uvigerinidae, type sp. *M. minima* (p. 480) **sp. n.** Miocene, New Zealand, **Vella,** P.

Miogypsina (*Miogypsinoides*) *nigeriana* (p. 66) **sp. n.** Cameroons, Miocene, **Küpper,** I. (1) ; *M. septentrionalis* (p. 41) **sp. n.** Oligocene, Germany, **Drooger,** C. W. (3).

Miscellininae **subfam. n.** (p. 9) of Verbeekinidae, pro *Miscellina* Schenk & Thompson 1940, *Pseudodoliolina* Yabe & Hanzawa 1932 and *Paraverbeekina* M.-Maklay 1955, Permian, **Miklukho-Maklay,** A. D. (2).

Monodiexodina **gen. n.** (p. 24) of Fusulinidae, type sp. *Schwagerina wanneri sutschanica* Dutkevich 1935 [as *Monodiexodina sutschanica* (Dutkevich) 1939 on p. 26] ; *M. wanganensis* (p. 26) **sp. n.** [in text], Russia, Permian, **Sosnina,** M. I. *in* **Kiparisova,** L. D., **Markovski,** B. P. & **Radchenko,** G. P. [Eds.].

Monogenerina conica (p. 51) **sp. n.** Permian, Italy, **Loriga,** C.

Moravammina carbonica (p. 80) **sp. n.** Russia, Carboniferous, **Fomina,** E. V. (2).

Moravamminidae Pokorný 1951 (p. 283) *nom. transl. ex* subfam. Moravammininae Pokorný 1951 [fam of Parathuramminacea], **Loeblich,** A. R. & **Tappan,** H. (3).

Moravammininae Pokorný 1951, see Moravamminidae, **Loeblich,** A. R. & **Tappan,** H. (3).

Multifidella **gen. n.** (p. 218) of Ataxophragmiidae, type sp. *Clavulina communis nodulosa* Cushman 1922, Miocene to Recent, **Loeblich,** A. R. & **Tappan,** H. (7).

Multiseptida **gen. n.** (p. 27) of Lagenidae, type sp. *M. corallina* (p. 28) **sp. n.** Devonian, Russia, **Bykova,** E. V. (1).

Nagatoella ikenoensis **sp. n.** (p. 22) Permian, Japan, **Morikawa,** R. & **Isomi,** H.

Nanicella porrecta (p. 54) ; *N. bella* (p. 55) ; **spp. n.** Devonian, Russia, **Bykova,** E. V. (1).

Nanicellinae Fursenko **subfam. n.** (p. 252) of Lagenidae, pro *Nanicella* Henbest 1935, *Gourisina* Reichel 1946, *Robuloides* Reichel 1946, *Pararobuloides* M.-Maklay 1954 and *Eocristellaria*, M.-Maklay 1954, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Neoarchaediscus **gen. n.** (p. 11) of Archaediscidae, type sp. *Archaediscus incertus* Grozdilova & Lebedeva 1954, Carboniferous, USSR, **Miklukho-Maklay,** A. D. *in* **Kiparisova,** L. D., **Markovski,** B. P. & **Radchenko,** G. P. [Eds.].

Neobulimina abchasiensis (p. 112) **sp. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. (1) ; *N. spicata* (p. 226) ; *N. conica* (p. 227) **spp. n.** Cretaceous, Pre-Caucasus, USSR, **Bukalova,** G. V. (2).

Neoeponides **gen. n.** (p. 17), type sp. *Rotalina schreibersii* d'Orb. 1846, includes *Eponides lotus*, *Pulvinulina jacksonensis*, *E. byramensis*, *Rotalina antillarum*, *P. mexicana* and *P. procera*, Palaeocene to Recent, Israel, **Reiss,** Z. (5).

Neoflabellina laterecompressa (p. 177) **sp. n.** Coniacian, Austria, **Tollmann,** A.

Neogyroidina memoranda (p. 46) **sp. n.** Oligocene ?, Russia, **Subbotina,** N. N. *in* **Bykova,** N. K. *et al.*

Neooperculinoides arciseptatus (p. 67) **sp. n.** Eocene, Pokutsk, Carpathians, **Golev,** B. T. (2).

Neopeneroplis **gen. n.** (p. 1252) of Peneroplidae, type-species *N. sarmaticus* **sp. n.** (p. 1252) Miocene, Moldavia, **Didkovsky,** V. Y. (1).

Neoschwagerina delicata (p. 48) ; *N. paranipponica* (p. 53) ; *N. muratai* (p. 54) ; *N. okuboi* (p. 55) ; *N. akasakensis* (p. 56) ; *N. larga* (p. 57) ; *N. hanaokensis* (p. 64) **spp. n.** Permian, Japan, **Morikawa,** R. & **Suzuki,** Y. ; *N. kojensis* (p. 84) ; *N. crimea* (p. 85) **spp. n.** *N. c. composita* (p. 87) **var. n.** Permian, Russia, **Tumanskaya,** O. G. (1) ; *N. takagamiensis* (p. 246) **sp. n.** Permian, Japan, **Chisaka,** T. ; *N. toriyamai* (p. 118) **sp. n.** Permian, Japan, **Sada,** K. (3).

Neostaffella **gen. n.** (p. 362) of Pseudostaffellinae, type-species *Pseudostaffella sphaeroidea* Ehrenberg, Carboniferous, **Miklukho-Maklay,** A. D. (5).

Neotuberitina (p. 159) **gen. n.** of Tuberitinidae **fam. n.** q.v.; type sp. *Tuberitina maljavkini* Mikhailov 1939, Carboniferous, Moscow basin, USSR, **Miklukho-Maklay,** A. D. **(3).**

Neouvigerina plebeja (p. 470) **sp. n.** *N. p. waiapuensis* (p. 471) **subsp. n.** *N. aotea* (p. 471); *N. ? toddi* (p. 471); *N. moorei* (p. 472); **spp. n.** Miocene, New Zealand, **Vella,** P.

Nodellum pauculus (p. 72) **sp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina,** N. N. **(1).**

Nodobaculariella robusta (p. 826) **sp. n.** ? Oligocene, Eniwetok Atoll, **Todd,** R. & **Low,** D.

Nodobaculariinae Cushman 1927, reinstated, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Nodosarella balearica **sp. n.** (p. 197) Miocene, Majorca, **Colom,** G. **(7);** *N. irregularis* (p. 34) Palaeocene; *N. monmouthensis* (p. 34) Cretaceous; **spp. n.** New Jersey, USA, **Olsson,** R. K.; *N. wintereri* (p. 345) **sp. n.** Cretaceous, California, **Trujillo,** E. F.

Nodosaria aliena (p. 44) **sp. n.** Jurassic, Russia, **Sharovskaya,** N. V.; *N. asiatica* (p. 73) **sp. n.** Palaeogene, Turkmenia, **Morozova,** V. G. **(2);** *N. catesbyi* d'Orbigny 1839, emendation of the description, **Sabol,** J. W.; *N. monile* (p. 35) **sp. n.** Permian, Russia, **Voronov,** P. S.; *N. montanaroae* (p. 58) **sp. n.** Italy, Permian, **Loriga,** C.; *N. nammalensis* (p. 86) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(1);** *N. orbignyana liassica* (p. 436) **subsp. n.**; *N. reineckei* (p. 437) **nom. nov.** pro *N. mutabilis* Terquem 1870 non Bartenstein & Brand 1855, Lias, Germany, **Hagenmeyer** *in* **Bach,** H., **Hagenmeyer,** P. & **Neuweiler,** F.; *N. samaraensis* (p. 154) Callovian; *N. oxfordae* (p. 155) Oxfordian; **spp. n.** Russian Platform, Jurassic, **Mjatliuk,** E. V. **(3);** *N. spinosa* (p. 18) Palaeocene; *N. redbankensis* (p. 18) Cretaceous; **spp. n.** New Jersey, USA, **Olsson,** R. K.; *N. tarchanensis* (p. 145) **sp. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. **(2).**

Nodosariacea Ehrenberg 1839 (p. 295) *nom. correct. pro* superfam. Nodosariidea Nørvang 1957, *nom. transl. ex* Nodosarina Ehrenberg 1839 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Nodosariidea Nørvang 1957, see Nodosariacea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Nodosarina Ehrenberg 1839, see Nodosariacea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Nodosinellidae Rhumbler 1895, see Nodosinellinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Nodosinellinae Rhumbler 1895 (p. 285), *nom. transl. ex* family Nodosinellidae Rhumbler 1895 [subfam. of Nodosinellidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Nonion asterius (p. 79); *N. vulgaris* (p. 129); *N. miocenicus* (p. 129); *N. lucidus* (p. 130); *N. (?) perebedilicus* (p. 130); *N. pricaspicus* (p. 131) **spp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V.; *N. biporus* (p. 133); *N. limbosus* (p. 134); *N. semi-involutus* (p. 135) **spp. n.** *N. praevius* Subbotina MS. name; Tortonian Miocene, Podolia, **Krasheninnikov,** V. A. **(1);** *N. dorreeni* (p. 91); *N. deceptrix* (p. 92) Miocene; *N. cassidulinoides* (p. 92) Oligocene; **spp. n.** New Zealand, **Hornibrook,** N. de B.; *N. futagojimaense* (p. 82) **sp. n.** Palaeogene, Japan, **Murata,** S. **(2);** *N. granosus parvus* (p. 169) **var. n.** Chokrak deposits, Pre-Caucasus, USSR, **Bogdanovich,** A. K. **(2);** *N. mizunamiense* (p. 385); *N. shukuense* (p. 386) **spp. n.** Miocene, Japan, **Tai,** Y. **(1);** *N. pompilioides* (Fichtel & Moll.) here considered to include *N. halkyardi* Cushman, *N. planatum* Cushman & Thomas, *N. affine* (Reuss), *N. soldanii* (d'Orbigny), and *N. barleeanum* (Williamson), **Nørvang,** A.; *N. postgraniferus* (p. 196) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. **(4);** *N. pseudosoldanii* (p. 39); *N. tauricus* (p. 40) **spp. n.** Crimea, USSR, Miocene, **Krasheninnikov,** V. A. *in* **Zhizhchenko,** B. P. [Ed.]; *N. sakaraulensis* (p. 104); *N. echinatus* (p. 105); *N. davidi* Archvadze (p. 107); *N. alexandri* Archvadze (p. 107); *N. svandripschi* Archvadze (p. 108); **spp. n.** *N. graniferus miocenica* Archvadze (p. 108) **var. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. **(1);** *N. shiribeshiense* (p. 538) **sp. n.** Pliocene, Japan, **Shirai,** T.; *N. sol magnum* **var. n.** (p. 139) Miocene, France, **Julius,** C. **(2);** *N. tumidulus* (p. 45) **sp. n.** Miocene, Pre-Carpathians, USSR, **Pischvanova,** L. S. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V.; *N. vigneauxi* (p. 68) **sp. n.** Miocene, France, **Caralp,** M. & **Julius,** C.

Nonionella cretacea nammalensis (p. 116) **var. n.** *N. excavata nammaliensis* (p. 116) **var. n.** *N. jacksonensis minuta* (p. 117) **var. n.** *N. lakiensis* (p. 118) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(1);** *N. ? gemina* (p. 94) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.; *N. karaganica* (p. 41) **sp. n.** Crimea, USSR, Miocene, **Krasheninnikov,** V. A. *in* **Zhizhchenko,** B. P. [Ed.]; *N. khirthari* (p. 24) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(2);** *N. pulchella* (p. 149) **sp. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. **(2);** *N. ventragranosa* (p. 137) **sp. n.** Tortonian, Miocene, Podolia, **Krasheninnikov,** V. A. **(1);** *N. wemmelensis* (p. 205) **sp. n.** Eocene, Belgium, **Kaasschieter,** J. P. H.

Nonionellina **gen. n.** (p. 142) of Nonionellinae, type sp. *Nonionina labradorica* Dawson 1860, Okhotsk Sea, Miocene, **Voloshinova,** N. A. **(1);** *Nonionellina* Voloshinova **gen. n.** (p. 289) of Nonionellinae, type sp. *Nonionina labradorica* Dawson 1860, Miocene, Russia, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Nonionellinae **subfam. n.** (p. 141) of Nonionidae, pro *Nonionella* Cushman 1926, *Nonionellina* Voloshinova **gen. n.** q.v. and *Florilus* Montfort 1808, **Voloshinova,** N. A. **(1).**

Nonionina pelagica neotype selected [also standing as a lectotype for *Hastigerina murrayi* Thomson], **Banner,** F. T. & **Blow,** W. H. **(1).**

Norcottia **gen. n.** (p. 478) of Uvigerinidae, type sp. *Hopkinsina mioindex* Finlay 1947, Oligocene, New Zealand, **Vella,** P.

Notorotalia biconvexa (p. 137) Oligocene or Miocene; *N. targetensis* (p. 137) Miocene; **spp. n.** New Zealand, **Hornibrook,** N. de B.

Notorotaliinae **subfam. n.** (p. 129) of Elphidiidae, type-genus *Notorotalia* Finlay 1939, also includes *Cribrorotalia* **gen. n.** q.v.; *Discorotalia* **gen. n.** q.v.; *Polystomellina, Faujasina* and *Parrellina*, **Hornibrook,** N. de B.

Nouriidae Chapman & Parr 1936 (p. 279), *nom. transl. ex* subfam. Nouriinae Chapman & Parr 1936 [fam. of Lituolacea], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Nouriinae Chapman & Parr 1936, see Nouriidae, **Loeblich, A. R. & Tappan, H. (3).**

Nummodiscorbis **gen. n.** (p. 106) of Discorbiidae, type sp. *N. novozealandica* (p. 106) **sp. n.** Miocene, New Zealand, **Hornibrook, N. de B.**

Nummoloculina heimi (p. 16) **sp. n.** Cretaceous, Mexico, **Bonet, F. (1).**

Nummulites Lamarck 1801, type sp. *N. laevigatus* (Bruguière), regarded as valid and not to be replaced by *Camerina*, **Schaub, H. (2)**; *N. azerbaidjanensis* **sp. n.** (p. 928) Eocene, Nakhichevan SSR, **Mamedov, T. A. (1)**; *N. chavannesi hajastanica* (p. 8) **var. n.** Eocene, Armenia, **Grigoryan, S. M. (2)**; *N. couiseusis* d'Archiac 1866, nomenclatorial note, **Schaub, H. (1)**; *N. crimensis* (p. 122) **sp. n.** Crimea, Eocene, **Nemkov, G. I. & Barkhatova, N. N. (2)**; *N. distans heimi* Rozlozsnik **nom. nud.** (p. 18) [=*Nummulina heimi* Rozl. 1929] Eocene, Poland, **Bieda, F. (1)**; *N. gallensis burdigalensis* (p. 105) **subsp. n.** (=*N. burdigalensis* de la Harpe 1926 ?) Eocene, Russia, **Golev, B. T. & Khloponin, K. L.**; *N. gomezi* (p. 187); *N. batalleri* (p. 189); *N. colomi* (p. 190) **spp. n.** Eocene, Estella, Spain, **Ruiz de Gaona, M. (1)**; *N. rozlozsniki* (p. 328) **sp. n.** Eocene, N. Hungary, **Méhes, K.**; *N. stellatus* (p. 181) **sp. n.** Italy, Eocene, **Rovedа, V.**; *N. variolarius* (Lamarck) synonymy includes *Amphistegina abrardi* Le Calvez 1952, **Le Calvez, Y. (1).**

Nummulitidae reclassified into 4 subfamilies: Nummulitinae; Assilininae **subfam. n.** q.v.; Heterostegininae and Pellatispirinae, **Puri, H. S. (2).**

Nummulitinae, reclassified (p. 97); following genera maintained in the subfamily: *Nummulites* Lamarck 1801; *Operculinoides* Hanzawa 1935; *Miscellanea* Pfender 1934, and *Sulcoperculina* Thalmann 1939, **Puri, H. S. (2).**

Ondogordius **gen. n.** of Ophthalmidiidae (p. 78) type sp. *O. campanula* **sp. n.** (p. 78), Carboniferous, Algeria, **Deleau, P. & Marie, P.**

Oolininae **subfam. n.** (p. 299) of Glandulinidae, type-genus *Oolina* d'Orbigny 1839, **Loeblich, A. R. & Tappan, H. (3).**

Operculina d'Orbigny 1826, type sp. *O. complanata* (Defrance 1822) [=*Lenticulites complanata* Defrance 1822] regarded as valid and not to be replaced by *Camerina*, **Schaub, H. (2)**; *O. granulosa laxicamerata* (p. 66) **var. n.** Eocene, Bukovina, Carpathians, **Golev, B. T. (2)**; *O. hanzawai* (p. 110) **sp. n.** Tertiary, Japan, *Operculina* d'Orb. 1826, considered a valid genus distinct from *Operculinella* Yabe 1918, **Smout, A. H. & Eames, F. E.**; *O. semiinvoluta* (p. 122) **sp. n.** Crimea, Eocene, **Nemkov, G. I. & Barkhatova, N. N. (2).**

Operculinella Yabe 1918, considered a valid genus distinct from *Operculina* d'Orbigny 1826, **Smout, A. H. & Eames, F. E.**

Orbignyna aragonitica (p. 324) **sp. n.** Cretaceous, Mons basin, **Hofker, J. (2)**; *O. lepida* (p. 77) **sp. n.** Cretaceous, Russia, **Voloshina, A. M. (2)**; *O. pinguis* (p. 104) Voloshina **sp. n.** Cretaceous, Belorussia, **Akimetz, V. S. (4).**

Orbitoidacea Schwager 1876 (p. 310) *nom. correct. pro* superfam. Orbitoidicae Bronnimann 1958, *nom. transl. ex* fam. Orbitoidee Schwager 1876 [superfam. of Foraminiferida], **Loeblich, A. R. & Tappan, H. (3).**

Orbitoidee Schwager 1876, see Orbitoidacea, **Loeblich, A. R. & Tappan, H. (3).**

Orbitoidicae Bronnimann 1958, see Orbitoidacea, **Loeblich, A. R. & Tappan, H. (3).**

Orbitolina chitralensis (p. 16), *O. kashmirica* (p. 18) **spp. n.**; *O. kashmirica burzilensis* (p. 19) **var. n.** India; *O. obesa* (p. 26) Tibet, **sp. n.** *O. birmanica kutaungensis* (p. 32) **var. n.**; *O. wadiai* (p. 33), *O. raoi* (p. 34), *O. hukawngensis* (p. 34) **spp. n.** Burma, Cretaceous, **Sahni, M. R. & Sastri, V. V. (1)**; *O. minuta* (p. 36), Texas; *O. parva* (p. 39), New Mexico; *O. oculata* (p. 39), Texas; *O. pervia* (p. 41), Texas; *O. gracilis* (p. 42) New Mexico; *O. crassa* (p. 43) New Mexico, *O. grossa* (p. 44) New Mexico, Cretaceous **spp. n., Douglass, R. C. (1)**; *O. morelensis* (p. 6) **sp. n.** Cretaceous, Mexico, **Ayala-Castañares, A.**

Orbitolinopsis flandrini (p. 190); *O. cuvillieri* (p. 190) **spp. n.** France, Barremian, **Moullade, M. (3).**

Orbitolites reicheli (p. 623); *O. armoricensis* (p. 625); *O. cotentinensis* (p. 627); Biarritz, Eocene **spp. n., Lehmann, R.**

Orbitopsella acutimargo (p. 502) **sp. n.** Lias, Italy, **Maync, W. (2).**

Orbulina d'Orb. 1839, and *O. universa* d'Orbigny 1839, placed on the Official Lists of Generic and Specific Names, **Opinion 552.**

Orbulinida Schultze 1854 (an invalid original spelling for Orbulinidae) placed on the Official Index of Rejected and Invalid Family-Group Names, **Opinion 552.**

Orbulinidae (correction of Orbulinida) Schultze 1854, to take precedence below Globigerinidae Carpenter, Parker & Jones 1862, and placed on the Official List of Family-Group Names, **Opinion 552.**

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Orthella **gen. n.** (p. 19) of Miliolidae, type sp. *O. paalzowi* (p. 20) **sp. n.** Russia, Jurassic, **Bykova, E. V.** *in* **Kiparisova, L. D., Markovski, B. P. & Radchenko, G. P.** [Eds.].

Orthomorphina hermi (p. 114); *O. maragudakisi* (p. 115); **spp. n.** *O. proxima semicostata* (p. 115) **subsp. n.** Pliocene, Greece, **Christodoulou, G.**; *O. nodulosastriata* **sp. n.** (p. 203), Miocene, Majorca, **Colom, G. (7).**

Orthovertella (?) *issatchkensis* (p. 29) **sp. n.** Carboniferous, Russia, **Dain, L. G.** *in* **Bykova, N. K.** *et al.*

Oryctoderma **gen. n.** (p. 217) of Saccamminidae, type sp. *Crithionina rotundata* Cushman 1910; also includes *C. pisum* Goës 1896 (Recent); *C. rugosa* Goës 1896, and *C. teicherti* Parr 1942 (Permian), **Loeblich, A. R. & Tappan, H. (7).**

Ozawainella ? arctica (p. 1132) **sp. n.** Carboniferous, Ward Hunt Is., **Thompson,** M. L. (**2**) ; *O. nakatsugawensis* (p. 209) **sp. n.** Permian, Japan, **Ishii,** A. & **Takahashi,** H. ; *O. pararhomboidalis compacta* (p. 90) **var. n.** *O. lissichanica* (p. 91) ; *O. minima* (p. 91) ; *O. sandalina* (p. 93) **spp. n.** Carboniferous, Russia, **Manukalova,** M. F. ; *O. voroschilovgradica* (p. 72) ; *O. brazhnikovae* (p. 73) ; *O. tschernuchinskyi* (p. 73) ; **spp. n.** Carboniferous, Don basin, USSR, **Pogrebnyak,** V. O.

Ozawainellidae, systematics, includes Ozawainellinae Thompson & Foster 1937, Pseudostaffellinae Putrja 1956 & Reichelininae **subfam. n.** (p. 363), **Miklukho-Maklay,** A. D. (**5**) ; Systematic survey, **Rozovskaya,** S. E. (**3**).

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Paraboultonia inuboensis (p. 243) **sp. n.** Permian, Japan, **Chisaka,** T.

Paradentalina **gen. n.** (p. 60) of Polymorphinidae, genotype *Enantiodentalina muraii* Uchio, Plio-Pleistocene, Japan, **Uchio,** T.

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Paraschwagerina kanmerai (p. 185) **sp. n.** Permian, Japan, **Nogami,** Y. (**1**).

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Parrella convexa (p. 38) **sp. n.** Palaeocene, New Jersey, USA, **Olsson,** R. K. ; *P. infracretacea* (p. 209) **sp. n.** Caucasus, USSR, Cretaceous, **Bukalova,** G. V. (**1**).

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Planoelphidium **gen. n.** (p. 165) of Elphidiinae, type sp. *Polystomella laminata* Terquem 1878, Pliocene, Albania, **Voloshinova,** N. A. **(1).**

Planoendothyra Reitlinger **gen. n.** (p. 194) of Endothyrinae, type sp. *Endothyra aljutovica* Reitlinger 1950, Carboniferous, Russia, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Planomalina Loeblich & Tappan 1946, taxonomic status ; considered to be a developmental stage of a biological unit and thus of no generic significance, **Hofker,** J. **(6)** ; *P. alvarezi* (p. 91) ; *P. mendezensis* (p. 92) **spp. n.** Cretaceous, Mexico, **Olvera,** Y. E. ; *P. ehrenbergi* (p. 563) ; *P. rowei* (p. 564) ; **spp. n.** Cretaceous, Isle of Wight, **Barr,** E. T. ; *P. yaucoensis* (p. 98) **sp. n.** Cretaceous, Puerto Rico, **Pessagno,** E. A. **(1).**

Planomalinidae Bolli, Loeblich & Tappan, recognized of family rank [elevated from subfamily status by Sigal 1958], **Loeblich,** A. R. & **Tappan,** H. **(2).**

Planorbulina caucasica (p. 8) **sp. n.** Eocene, Azerbaidjan SSR, **Khalilov,** D. M. **(2)** ; *P. mangyshlakensis* (p. 54) ; *P. liverovskajae* (p. 55) ; *P. compacta* (p. 56) **spp. n.** Pliocene, Albania, **Vasilenko,** V. P. *in* **Bykova,** N. K. *et al.*

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Planulina Roemer 1838, emend. form, considered to contain *Anomalinella* Cushman 1927, emend. Hofker ; *Almaena ; Kelyphistoma, Planulinella* and *Queraltina,* **Hofker,** J. **(7)** ; *P. asanoi* (p. 389) **sp. n.** Miocene, Japan, **Tai,** Y. **(1)** ; *P. burlingtonensis tendami* (p. 225) **var. n.** Eocene, Belgium, **Kaasschieter,** J. P. H. ; *P. buxtorfi* (p. 103) **sp. n.** Italy, Cretaceous, **Gandolfi,** R. ; *P. magurica* (p. 50) **sp. n.** Eocene, Poland, **Blaicher,** J. **(1)** ; *P. ruizi* (p. 43) **sp. n.** Spain, Tertiary, **Colom,** G. **(2)** ; *P. rumoiensis* (p. 139) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. **(2).**

Plectinella belgica **sp. n.** (p. 558) Belgium, Campanian, **Hofker,** J. **(26).**

Plectofrondicularia sacatensis **sp. n.** (p. 187) Eocene, California, **Hornaday,** G. R. ; *P. turgida* (p. 82) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.

Plectogyra inopinata (p. 13) Shlykova ; *P. gentilis* (p. 14) and *P. vicina* (p. 15) Shlykova & Ganelina ; *P. honesta* (p. 16) ; *P. formosa* (p. 17) ; *P. distincta* (p. 18) and *P. speciosa* (p. 19) Shlykova ; **spp. n.** Russia, Carboniferous, **Pozner,** V. M. & **Shlykova,** T. I.

Plectogyrina Reitlinger **gen. n.** (p. 196) of Plectogyrinae, type sp. *Endothyra* (*?*) *fomichaensis* Lebedeva 1954, Visean, Russia, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Plectogyrinae Reitlinger **subfam. n.** (p. 196) of Endothyridae, pro *Plectogyra* Zeller 1950, *Plectogyrina* Reitlinger **gen. n.** q.v., *Globoendothyra* Reitlinger **gen. n.** q.v., *Mikhailovella* Ganelina 1956 and *Endothyranella* Galloway & Harlton 1930, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Pleurostomella copiosa (p. 229) ; *P. mirabilis* (p. 230) **spp. n.** Cretaceous, Pre-Caucasus, USSR, **Bukalova,** G. V. **(2)** ; *P. greatvalleyensis* (p. 345) **sp. n.** Cretaceous, California, **Trujillo,** E. F. ; *P. rameroensis* (p. 72) **sp. n.** Oligocene, Italy, **Di Napoli Alliata,** E.

Pleurostomellidae Reuss 1860, see Pleurostomellinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Pleurostomellidea Reuss 1862, see Pleurostomellinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Pleurostomellinae Reuss 1860 (p. 315), *nom. correct. pro* subfam. Pleurostomellidea Reuss 1862, *nom. transl. ex* fam. Pleurostomellidae Reuss 1860 [subfam. of Pleurostomellidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Podolia **gen. n.** (p. 56) of Miliolidae, type sp. *Hauerina lyra* Serova 1955, *P. compacta* (p. 59) **sp. n.** Ukraine SSR, Tortonian Miocene, **Serova,** M. Ya. **(4).**

Pokornyella (p. 220) **nom. nov.** pro *Siderina* Abrard 1926 non Dana 1848, type sp. *S. douvillei* Abrard 1926, **Loeblich,** A. R. & **Tappan,** H. **(7).**

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Polymorphinella nemunensis (p. 276) **sp. n.** Eocene, Belorussia, **Fursenko, A. V. & Fursenko, K. B. (2).**

Polytaxis limata (p. 28) **sp. n.** Carboniferous, Russia, **Dain, L. G.** *in* **Bykova, N. K.** *et al.* ; *P. seelandensis* (p. 19) **sp. n.** Austria, Trias, **Oberhauser, R.**

Poronaia **gen. n.** (p. 133) of Verneuilinidae, type sp. *Plectina poronaiensis* Asano 1952, Tertiary, Japan, **Ujiié, H. & Watanabe, H.**

Porosononion **gen. n.** (p. 135) of Nonionidae, type sp. *Nonionina subgranosa* Egger 1857, Miocene, Bavaria, **Putrya, F. S.** *in* **Voloshinova, N. A. (1).**

Porosorotalia **gen. n.** (p. 167) of Cribroelphidiinae, type sp. *Notorotalia clarki* Voloshinova 1952, Miocene, Sakhalin, **Voloshinova, N. A. (1).**

Praebulimina Hofker 1953, discussion on the concept of this genus, **Belford, D. J. (1).**

Praeglobotruncana Bermudez 1952, taxonomic status ; considered to be a developmental stage of a biological unit and thus of no generic significance, **Hofker, J. (6)** ; *Praeglobotruncana* Bermudez 1952, revised taxonomy, **Klaus, J. (1)** ; *P. hansbollii* (p. 339) **sp. n.** Cretaceous, California, **Trujillo, E. F.** ; *P. mattsoni* (p. 98) **sp. n.** Cretaceous, Puerto Rico, **Pessagno, E. A. (1)** ; *P. oraviensis* (p. 85) **sp. n.** *P. o. trigona* (p. 86) **subsp. n.** Turonian, Czechoslovakia, **Scheibnerová, V. (1)** ; *P. primitiva* (p. 93) **sp. n.** Cretaceous, Mexico, **Olvera, Y. E.** ; *P. stephani gibba* (p. 304) **nom. nov.** pro *P. s. turbinata* (Reichel) 1950 non *Globotruncana apenninica bêta* Gandolfi 1942, **Klaus, J. (2).**

Profusulinella staffellaeformis losovskensis (p. 94) **var. n.** *P. longitica* (p. 95) **sp. n.** Carboniferous, Russia, **Manukalova, M. F.** ; *P. toriyamai* (p. 97) **sp. n.** Carboniferous, Japan, **Sada, K. (2).**

Proteonina barbaria (p. 267) **sp. n.** Palaeogene, N. Carpathians, **Mjatliuk, E. V. (1)** ; *P. bucculenta* (p. 177) **sp. n.** Miocene, Pre-Carpathians, USSR, **Subbotina, N. N. (4)** ; *P. cumberlandiae* (p. 248) ; *P. wallingfordensis* (p. 250) ; **spp. n.** Kentucky, USA, Carboniferous, new to the Mississippian, **Conkin, J. E.** ; "*P. difflugiformis*" Brady 1879, revised ; considered to belong to the genus *Reophax* q.v., **Skinner, H. C.**

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Pseudochoffatella **gen. n.** (p. 105) of Lituolidae, type sp. *P. cuvillieri* (p. 105) **sp. n.** Basses-Pyrenees, Cretaceous, **Deloffre, R.**

Pseudoclavulina pseudohumilis (p. 42) **sp. n.** Eocene, W. Pakistan, **Haque, A. F. M. M. (1).**

Pseudocyclammina ukrainica (p. 21) **sp. n.** Jurassic, Ukraine, **Dain, L. G.** *in* **Bykova, N. K.** *et al.*

Pseudoepistominella **gen. n.** (p. 48) of Epistominidae, type sp. *P. mirusa* (p. 48) **sp. n.** Azerbaidjan SSR, Barremian, **Kuznetzova, Z. V.** *in* **Bykova, N. K.** *et al.*

Pseudofrondicularia lozoi (p. 147) **sp. n.** Cretaceous, Mexico, **Obregón de la Parra, J.** ; *P. triassica* (p. 293) **sp. n.** Trias, Nevada, USA, **Schell, W. W. & Clark, D. L.**

Pseudofusulina atetsensis (p. 208) and *P. kusamensis* (p. 219) **spp. n.** Japan, Permian, **Nogami, Y. (1)** ; *P. bacca* **sp. n.** (p. 15) Permian, Japan, **Morikawa, R. & Isomi, H.** ; *P. bona* (p. 112) **sp. n.** Russia, Carboniferous, **Rozovskaya, S. E. (2)** ; *P. kraffti norikurensis* (p. 244) **subsp. n.** Permian, Japan, **Igô, H.** ; *P. ozakii* (p. 243) **sp. n.** Permian, Japan, **Chisaka, T.** ; *P. paraandersoni* Rauzer-Chernousova (p. 30) ; *P. kireevi* Shcherbovich (p. 31) ; **spp. n.** *P. gregaria inconstans* Shcherbovich (p. 32) ; **subsp. n.** *P. g. shustovensis* Shcherbovich (p. 33) ; **var. n.** *P. gregariaeformis* Rauzer-Chernousova & Shcherbovich (p. 34) **sp. n.** *P. paragregaria tumida* Shcherbovich (p. 36) **var. n.** ; *P. paramoelleri typica* Shcherbovich (p. 42) **forma n.** *P. p. longa* Shcherbovich (p. 43) **forma n.** *P. p. intensefoldata* Shcherbovich (p. 43) **forma n.** Russia, Carboniferous, **Rauzer-Chernousova, D. M. & Shcherbovich, S. F.** ; *P. pusilla kljasmica* (p. 50) **subsp. n.** ; *P. pseudokrotowi* (p. 52) ; *P. rostovzevae* (p. 55) ; *P. ascherinensis* (p. 55) ; *P. pseudoanderssoni* (p. 56) ; *P. kolpica* (p. 57) ; *P. polymorpha* (p. 58) **spp. n.** *P. exuberata paraluxuriesa* (p. 64) **var. n.** *P. nana* (p. 66) ; *P. bina* (p. 66) ; **spp. n.** Russia, Carboniferous, **Semina, S. A.** ; *P.* (?) *recondita* (p. 196) ; *P.* (?) *perplexa* (p. 197) ; **spp. n.** *P.* (?) *p. pertenia* (p. 198) **forma n.** *P. sphaerica timanica* (p. 201) **forma n.** *P. s. poljarica* (p. 202) **forma n.** *P. valentinae* (p. 205) **sp. n.** *P. uralica rombiformis* (p. 207) **forma n.** *P. u. volongaensis* (p. 208) **forma n.** *P. u. longa* (p. 209) **forma n.** *P. declinata compacta* (p. 214) **forma n.** (*P. d. lecta* (p. 215) **forma n.** *P. tschernyschewi minima* (p. 221) **forma n.** *P. t. oblonga* (p. 221) **forma n.** *P. t. memoranda* (p. 222) **forma n.** *P. t. acuta* (p. 223) **forma n.** *P. t. plicata* (p. 224) **forma n.** *P. t. obtusa* (p. 225) **forma n.** *P. irregularis* (p. 226) ; *P. quasifusiformis* (p. 227) ; *P. marina* (p. 229) ; **spp. n.** *P. m. melica* (p. 230) **forma n.** *P. blochini vicina* (p. 231) **forma n.** *P. indigaensis* (p. 232) **sp. n.** *P. paraverneuili vicenda* (p. 235) **forma n.** *P. dagmarae* (p. 236) **sp. n.** *P. plicatissima mendosa* (p. 240) **forma n.** Timan, Russia, Permian, **Grozdilova, L. P. & Lebedeva, N. S.** ; *P. uralica firma* (p. 141) **var. n.** *P. electa* (p. 144) ; *P. idelbajevica* (p. 145) ; *P. portentosa* (p. 146) ; *P. exuberata* (p. 147) ; **spp. n.** *P. e. macra* (p. 149) **var. n.** *P. e. luxuriosa* (p. 149) **var. n.** *P. differta* (p. 150) **sp. n.** Russia, Carboniferous, **Shamov, D. F.** ; *P. uskalykensis* (p. 42) ; *P. karpinskyi* (p. 44) ; *P. ovoides* (p. 45) ; *P. concinna* (p. 46) **spp. n.** Permian, Russia, **Rozovskaya, S. E. (1).**

Pseudoglandulina plöchingeri (p. 27) ; *P. rosenbergi* (p. 28) ; **spp. n.** Austria, Trias, **Oberhauser, R.** ; *P. schindewolfi* (p. 442) *P. striata* (p. 442) **spp. n.** Lias, Germany, **Hagenmeyer** *in* **Bach, H., Hagenmeyer, P. & Neuweiler, F.** ; *P. terquemi* (p. 418) ; *P. paucusa* (p. 419) ; **spp. n.** Jurassic, Tatarskaya ASSR, **Mjatliuk, E. V. (2).**

Pseudogloborotalia **gen. n.** (p. 184) of Globorotaliidae, type sp. *P. ranikotensis* (p. 185) **sp. n.** *P. r. oblonga* (p. 186) **var. n.** *P. paleocenica* (p. 187); *P. khiarabadensis* (p. 188) **spp. n.** Palaeocene, W. Pakistan, **Haque**, A. F. M. M. (1); *P. guatemalensis* (p. 1344) Palaeocene; *P. pasionensis* (p. 1346) Eocene **spp. n.** Caribbean–Antilles, **Bermudez**, P. J. (2)

Pseudogumbelina cornuta (p. 60) **sp. n.** Cuba, Cretaceous, **Seiglie**, G. A. (2).

Pseudolamarckina Mjatliuk **gen. n.** (p. 278) of Ceratobuliminidae, type sp. *Pulvinulina rjasanensis* Uhlig 1883, Cretaceous, Russia, **Rauzer-Chernousova**, D. M. & **Fursenko**, A. V. [Eds.]; *P. jotijae* and *P. fursenkoi* (p. 166) [MS. in a table] Oxfordian, Lithuania, **Grigelis**, A. (1).

Pseudonodosaria commaeformis (p. 46) Gerke & Sharovskaya, **sp. n.** Jurassic, Russia, **Sharovskaya**, N. V.; *P. ? tryssa* **sp. n.** (p. 202) Pleistocene, Mediterranean, **Todd**, R. (1).

Pseudononion hashimotoi (p. 386) **sp. n.** Miocene, Japan, **Tai**, Y. (1).

Pseudopalmula Cushman & Stainbrook 1943, emend. mihi (p. 42); *P. fragaria* (p. 43); *P. variocellata* (p. 44); *P. ovata* (p. 45); *P. extremitata* (p. 46); *P. gyrinopsis* (p. 47); *P. scheda* (p. 48), **spp. n.** Devonian, Russia, **Bykova**, E. V. (1).

Pseudopalmulidae Bykova **fam. n.** (p. 264) of Lagenida, pro *Pseudopalmula* Cushman & Stainbrook 1943, *Paratextularia* Pokorný 1951, and *Semitextularia* Miller & Carmer 1933, **Rauzer-Chernousova**, D. M. & **Fursenko**, A. V. [Eds.].

Pseudoparrella [=*Epistominella*] *dorsoconvexa* (p. 78) **sp. n.** Cretaceous, Russia, **Voloshina**, A. M. (2); *P. minuta* (p. 40) **sp. n.** Palaeocene, New Jersey, USA, **Olsson**, R. K.; *P. nova* (p. 12) **sp. n.** Miocene, Ukraine, **Pischvanova**, L. S. (2); *P. stellata* (p. 101) **sp. n.** Oligocene, E. Carpathians, **Dabaghyan**, N. V. (2).

Pseudopatellina **gen. n.** (p. 28) of Spirillinidae, type sp. *P. arthurcooperi* (p. 29) **sp. n.** Eocene, W. Pakistan, **Haque**, A. F. M. M. (2).

Pseudopatellinella **gen. n.** (p. 121) of Rotaliidae, type sp. *P. cretacea* (p. 122) **sp. n.** Hokkaido, Japan, Cretaceous, **Takayanagi**, Y. (2).

Pseudopolymorphina allani (p. 56); *P. parri* (p. 56) **spp. n.** Oligocene, New Zealand, **Hornibrook**, N. de B.; *P. caudata* (p. 165); *P. uniserialis* (p. 166); **spp. n.** Chokrak deposits, Pre-Caucasus, USSR, **Suzin**, A. V. *in* **Bogdanovich**, A. K. (2).

Pseudoreophax **gen. n.** (p. 159) of Verneuilinidae, type sp. *P. cisovnicensis* (p. 160) **sp. n.** Cretaceous, Poland, **Geroch**, S. (2).

Pseudorotalia **gen. n.** of Rotaliidae (p. 13), type sp. *Rotalia shroeteriana* Parker & Jones 1862, Pliocene–Recent, Israel, **Reiss**, Z. & **Merling**, P.

Pseudoschwagerina grinnelli **sp. n.** (p. 28) Permian, Arctic Archipelago, **Thorsteinsson**, R. *in* **Harker**, P. & **Thorsteinsson**, R.; *P. muongthensis volgensis* (p. 44) **subsp. n.** Russia, Carboniferous, **Shcherbovich** *in* **Rauzer-Chernousova**, D. M. & **Shcherbovich**, S. F.; *P. saigusai* (p. 179); *P. subsphaerica* (p. 181); "*P.*" *nakazawai* (p. 183); **spp. n.** Permian, Japan, **Nogami**, Y. (1); *P. velebitica* (p. 32); *P. plicatula* (p. 35); **spp. n.** *P. nucleolata prisca* (p. 36) **subsp. n.** Permian, Yugoslavia, **Kochansky-Devidé**, V. (1).

Pseudostaffella sphaeroidalis (p. 93) **sp. n.** Carboniferous, Russia, **Manukalova**, M. F.; *P. wardensis* (p. 1132) **sp. n.** Carboniferous, Ward Hunt Is., **Thompson**, M. L. (2).

Pseudosumatrina **gen. n.** (p. 91) of Neoschwagerininae, type sp. *Neoschwagerina sumatrinaeformis* Gubler 1935; *P. nalivkini* (p. 91) **sp. n.** Permian, Russia, **Tumanskaya**, O. G. (1).

Pseudotetrataxis **gen. n.** of Trochamminidae (p. 91) type sp. *Tetraxis planolocula* Lee-Chen, Pennsylvanian–Permian, Algeria, **Deleau**, P. & **Marie**, P.

Pseudotextularia Rzehak 1891, emend. genotype *Cuneolina elegans* Rzehak; *P. bronnimanni* (p. 57); *P. elongata* (p. 58); *P. echevarriai* (p. 59) **spp. n.** Cretaceous, Cuba, **Seiglie**, G. A. (2).

Pseudotriticites bosbiensis (p. 15) **sp. n.** Carboniferous, Russia, **Bogush**, O. I. (1); *P. fusiformis* (p. 29) **sp. n.** Carboniferous, Russia, **Rozovskaya**, S. E. (1); *P. obscurus* (p. 99); *P. kotljarovicus* (p. 99) **spp. n.** Russia, Carboniferous, **Manukalova**, M. F.

Pseudovalvulineria pożaryskii (p. 130) **sp. n.** Poland, Cretaceous, **Witwicka**, E.

Pseudowoodella **gen. n.** (p. 202) of Anomalinidae, type sp. *P. mamilligera* (p. 202) **sp. n.** Palaeocene, W. Pakistan, **Haque**, A. F. M. M. (1).

Ptychocladiidae Elias 1950, see Ptychocladiinae, **Loeblich**, A. R. & **Tappan**, H. (3).

Ptychocladiinae Elias 1950 (p. 285), *nom. transl. ex* fam. Ptychocladiidae Elias 1950 [subfam. of Ptychocladiidae], **Loeblich**, A. R. & **Tappan**, H. (3).

Pulvinulinella almaensis (p. 93) **sp. n.** Crimea, Palaeogene, **Samoilova**, R. B.; *P. modica* (p. 102) **sp. n.** Caucasus, USSR, Cretaceous (?), **Subbotina**, N. N. (1).

Punjabia **gen. n.** (p. 152) of Rotaliidae, type sp. *P. ovoidea* (p. 153); *P. patalaensis* (p. 154) **spp. n.** Palaeocene, W. Pakistan, **Haque**, A. F. M. M. (1).

Pyrgo opima (p. 615) **sp. n.** Miocene, Puerto Rico, **Gordon**, W. A. (3).

Pyrulinoides kalinini (p. 42) **sp. n.** Cretaceous, Russia, **Dain**, L. G. *in* **Bykova**, N. K. *et al.*

Quadratina irregularis (p. 25) **sp. n.** Austria, Trias, **Oberhauser**, R.; *Q. tunassica* (p. 87) **sp. n.** Crimea, USSR, Cretaceous, **Schokhina**, V. A. *in* **Drushchits**, V. V. & **Kudryavtzev**, M. P.

Quadrulina brunsviga (p. 50) **sp. n.** Hauterivian, Germany, **Zedler**, B. (2).

Quasiendothyra kobeitusana delicata (p. 147) **var. n.**; *Q. kamenkaensis* (p. 419); *Q. petchorica* (p. 150); *Q. conferta* (p. 151); *Q. nibelis* (p. 152); *Q. ? rudis* (p. 152); *Q. kedrovica* (p. 153); **spp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina**, A. V.; *Q. procera* (p. 11); *Q. compta* (p. 12) **spp. n.** Carboniferous, Russia, **Shlykova**, T. I. *in* **Pozner**, V. M. & **Shlykova**, T. I.; *Q. vera* (p. 150) **sp. n.** Carboniferous, Elchanka, USSR, **Orlova**, I. N.

Quasifusulina nimia (p. 19) **sp. n.** Permian, Yugoslavia, **Kochansky-Devidé**, V. (1).

Quasifusulinoides **gen. n.** (p. 20) [in a systematic table] of Fusulinidae, **Rauzer-Chernousova,** D. M. & **Rozovskaya,** S. E. *in* **Miklukho-Maklay,** A. D., **Rauzer-Chernousova,** D. M. & **Rozovskaya,** S. E.; *Quasifusulinoides* Rauzer & Rozovskaya **gen. n.** (p. 210) of Fusulininae, type sp. *Pseudotriticites fusiformis* Rozovskaya 1952, Carboniferous, Russia, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Quinqueloculina d'Orbigny 1826, considered to contain *Adelosina* d'Orbigny (1826); *Q. konkensis* **sp. n.** (p. 88) Pre-Caucasus, Konka deposits, **Bogdanovich,** A. K. **(3)**; *Q. compacta* (p. 93); *Q. tasaranica* (p. 94); **spp. n.**; *Q. rostrata angulata* (p. 95) **subsp. n.**; *Q. praelongirostra* (p. 96) **sp. n.**; *Q. p. typica* (p. 97) **var. n.**; *Q. p. curta* (p. 97) **var. n.**; *Q. subungeriana* (p. 99) **sp. n.**; *Q. seminulum compacta* (p. 101) **var. n.**; *Q. s. rotunda* (p. 102) **var. n.**; *Q. s. striata* (p. 103) **subsp. n.**; *Q. micra* (p. 104); *Q. romboidea* (p. 109); *Q. bondarevae* (p. 110) **spp. n.** Palaeogene, Aral–Turgan plain, USSR, **Serova,** M. Ya. **(3)**; *Q. derbyi* (p. 12); *Q. pricei* (p. 14) **spp. n.** Quaternary, Brazil, **Tinoco,** I. de M.; *Q. distorta* **sp. n.** Helvetian, Carpathians, **Pischvanova,** L. S. **(4)**; *Q. ersaconica* (p. 76) **sp. n.** *Q. reussi sartaganica* (p. 77) **var. n.** *Q. pseudoangustissima* (p. 78) **sp. n.** Miocene, Crimea and Caucasus, USSR, **Krasheninnikov,** V. A. *in* **Zhizhchenko,** B. P. [Ed.]; *Q. karreriella articulata* (p. 100) **var. n.** Miocene, Trans-Carpathians, **Venglinsky,** I. V. **(5)**; *Q. ranikotensis* (p. 53) Ranikot beds, *Q. gapperi* (p. 54) **spp. n.** *Q. lamarckiana inflata* (p. 55) **var. n.** *Q. pseudovata* (p. 56) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(1)**; *Q. serra* (p. 22) **sp. n.** Antarctica, Recent, **Crespin,** I. **(2)**; *Q. ugerskoensis* **sp. n.** (p. 29) Tortonian, Miocene, Pre-Carpathians, USSR, **Aisenstat,** I. M. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V.

Ramulina nodosarioides (p. 44) **sp. n.** Russia, Jurassic, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*

Rauserina compressa (p. 149) **sp. n.** Khovanskian, Russia, **Reitlinger,** E. A. **(5)**.

Rectobolivina euzebioi (p. 39) **sp. n.** Quaternary, Brazil, **Tinoco,** I. de M.

Rectocornuspira isachtukensis (p. 149) Dain MS. name; Carboniferous, Pestchanyi Oumiot USSR, **Orlova,** I. N.; *R. siratchoya* (p. 19) **sp. n.** Devonian, Russia, **Bykova,** E. V. **(1)**; *R. submosquensis* (p. 78) **sp. n.** Russia, Carboniferous, **Fomina,** E. V. **(2)**.

Rectoepistominoides **gen. n.** of Epistominidae, type sp. *R. scientis* **sp. n.** (p. 102), Jurassic, Lithuania, **Grigelis,** A. **(4)**.

Rectoeponides dubia (p. 154) **sp. n.** Palaeocene, W. Pakistan, **Haque,** A. F. M. M. **(1)**.

Rectoglandulina netrona (p. 293) **sp. n.** Cretaceous, Alaska, **Tappan,** H.; *R. nordvikiana* (p. 49) **sp. n.** Jurassic, Russia, **Sharovskaya,** N. V.

Recurvoides excellens (p. 194) **sp. n.** Jurassic, Russia, **Rygina,** P. T. *in* **Grigelis,** A. A., **Lyubimova,** P. S. & **Rygina,** P. T.; *R. kyngyrtauensis* (p. 55) **sp. n.** Asia, Cretaceous, **Suleimanov,** I. S. **(1)**; *R. manfredii* (p. 196) **sp. n.** *R. m. lobatulum* (p. 199) **var. n.** Italy, Senonian, **Cati,** F. **(2)**.

Reichelina serbica **sp. n.** (p. 105), Permian, Yugoslavia, **Kochansky-Devidé,** V. **(2)**.

Reichelininae **subfam. n.** (p. 363) of Ozawainellidae, includes *Reichelina* Erk 1941, *Parareichelina* K. M.-Maklay, 1958, *Dunbarulla* Ciry 1948, and *Rauserella* Dunbar 1944, Permian, **Miklukho-Maklay,** A. D. **(5)**.

Reinholdella brotzeni (p. 40) **sp. n.** Cretaceous, New Jersey, USA, **Olsson,** R. K.; *R. quadrilocula* (p. 39) **sp. n.** India, Jurassic, **Subbotina** & **Datta** *in* **Subbotina,** N. N., **Datta,** A. K. & **Srivastava,** B. N.

Reitlingerella **gen. n.** (p. 408) of Reitlingerellida **ord. n.** q.v., type sp. *R. densa* (p. 408) **sp. n.** Russia, Cambrian, **Vologdin,** A. G.

Reitlingerellida (p. 405) **ord. n.** of Foraminifera, pro *Obruchevella, Glomovertella, Cavifera, Syniella, Tuvaellina* **gen. n.** q.v. *Bostrychosaria* **gen. n.** q.v. *Flexurella* **gen. n.** q.v. *Kordeella* **gen. n.** q.v. *Lukaschevella* **gen. n.** q.v. *Lededevaella* **gen. n.** q.v. and *Reitlingerella* **gen. n.** q.v. Cambrian, Russia, **Vologdin,** A. G.

Reophax calathus (p. 1215) **sp. n.** Montana, USA, Carboniferous, **Gutschick,** R. C., **Weiner,** J. L. & **Young,** L.; *R. crudus* (p. 69) **sp. n.** [in text] Cretaceous Siberia, **Bulatova,** Z. I. **(2)**; *R. difflugiformis* H. B. Brady 1879, redefined; *R. d. spiculata* (p. 1239); *R. d. arenulata* (p. 1239) **subspp. n.** Cretaceous to Recent, **Skinner,** H. C.; *R. exilis* **sp. n.** (p. 89) Jurassic, Germany, **Ziegler,** J. H. **(1)**; *R. gerkei* (p. 30) **sp. n.** *R. g. parva* (p. 32) **var. n.** *R. syndascoensis* (p. 32); *R. compositus* (p. 33) **spp. n.** *R. c. venusta* (p. 35) **var. n.** Permian, Russia, **Voronov,** P. S.; *R. imperspicuus* (p. 319); *R. robustus* (p. 321); *R. tener* (p. 322) **spp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. **(3)**; *R. kunklerensis* (p. 279) Indiana; *R. mcdonaldi* (p. 283) Kentucky; **spp. n.** Carboniferous, USA; *Lugtonia* Cummings 1955 possibly included in synonymy of *Reophax* Montfort 1808, **Conkin,** J. E.; *R. marquezi* (p. 139) **sp. n.** Mexico, Cretaceous, **Obregón de la Parra,** J.; *R. troyeri* (p. 291) **sp. n.** Cretaceous, Alaska, **Tappan,** H.

Reussella araneola (p. 834) **sp. n.** ? Oligocene, Eniwetok Atoll, **Todd,** R. & **Low,** D.; *R. attenuata* (p. 77) **sp. n.** Eocene, New Zealand, **Hornibrook,** N. de B.; *R. johnstoni* (p. 27) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. **(2)**; *R. nana* (p. 33) **sp. n.** Cretaceous, Siberia, USSR, **Dain,** L. G. **(2)**; *R. regularis* (p. 211) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. **(4)**; *R. turonica* (p. 182) **sp. n.** Cretaceous, Belorussia, **Akimetz,** V. S. **(4)**.

Reussoolina **subgen. n.** (p. 161) of *Lagena* q.v., **Colom,** G. **(7)**.

Rhabdammina cylindrica lata (p. 264) **var. n.** Palaeogene, Northern Carpathians, **Mjatliuk,** E. V. **(1)**; *R. horrida* (p. 133) **sp. n.** Eocene, Ukraine, **Dabaghyan,** N. V. **(1)**; *R. linearіformis* (p. 175); *R. exilis* (p. 176); **spp. n.** Miocene, Pre-Carpathians, USSR, **Mjatliuk,** E. V. *in* **Subbotina,** N. N. **(4)**; *R. virgata* (p. 400) **sp. n.** Devonian, W. Australia, **Crespin,** I. **(7)**.

Rhizammina dichotoma (p. 428) **sp. n.** Lias, Germany, **Hagenmeyer** *in* **Bach,** H., **Hagenmeyer,** P. & **Neuweiler,** F.

Rimelphidium **subgen. n.** (p. 173) of *Cribroelphidium* q.v., **Voloshinova,** N. A. **(1)**.

Robertinacea Reuss 1850 (p. 317) *nom. transl. ex* fam. Robertinidae Reuss 1850 [superfam. of Foraminiferida], **Loeblich**, A. R. & **Tappan**, H. (3).

Robertinidae Reuss 1850, see Robertinacea, **Loeblich**, A. R. & **Tappan**, H. (3).

Robulus ariminensis alcoyensis (p. 32) **subsp. n.** Miocene, Spain, **Colom**, G. (8); *R. calcar multispinata* (p. 138) **subsp. n.** *R. coloratus planularioides* (p. 139) **var. n.** Vindobonian, Majorca, **Colom**, G. (4); *R. carinocordatus* (p. 26) **sp. n.** India, Jurassic, **Subbotina & Srivastava** *in* **Subbotina**, N. N., **Datta**, A. K. & **Srivastava**, B. N.; *R. ezoensis* (p. 113); *R. firmus* (p. 114); *R. matsumotoi* (p. 114); *R. oblongus* (p. 115); *R. rumoiensis* (p. 115); *R. sorachiensis* (p. 116); *R. tumidus* (p. 116); *R. venustus* (p. 116) **spp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi**, Y. (2); *R. hornerstownensis* (p. 10); *R. rancocasensis* (p. 10); *R. jenningsi* (p. 11) **spp. n.** Palaeocene, New Jersey, USA, **Olsson**, R. K.; *R. izumoensis* (p. 384) **sp. n.** Miocene, Japan, **Tai & Okamoto** *in* **Tai**, Y. (1); *R. obirensis* **nom. nov.** (p. 115) pro *R. tumidus* Takayanagi 1960 non Asano 1938; *R. hansthalmanni* **nom. nov.** (p. 115) pro *R. oblongus* Takayanagi 1960 non Coryell & Rivero 1940, **Takayanagi**, Y. (3); *R. pseudocrassus* (p. 37) Miocene; *R. hampdenensis* (p. 37) Eocene; **spp. n.** New Zealand, **Hornibrook**, N. de B.; *R. reussi* (p. 66) **sp. n.** Eocene, W. Pakistan, **Haque**, A. F. M. M. (1); *R. subturgidus* (p. 35) **sp. n.** Miocene, Italy, **Dieci**, G.; *R. warmani refugiensis* (p. 183) **var. n.** Eocene, California, **Hornaday**, G. R.

Rosalina brotzeni (p. 63) **sp. n.** Cretaceous, Netherlands, **Hofker**, J. (18); *R. vitrizea* (p. 101) Pleistocene; *R. vitrevoluta* (p. 102); *R. augur* (p. 102) Miocene; **spp. n.** New Zealand, **Hornibrook**, N. de B.

Rotalia albeari (p. 344) **sp. n.** Cuba, Cretaceous, **Seiglie**, G. A. (3); *R. canui rhenana* **subsp. n.** (p. 688) Oligocene, Germany, **Ellerman**, C. (1); *R. darderi* **sp. n.** (p. 171) Miocene, Majorca, **Colom**, G. (7); *R. guinezonensis* (p. 59); *R. eburnensis* (p. 59) **spp. n.** Palaeocene, Ivory Coast, **Lys**, M. (2); *R. hensoni daviesinoides* (p. 55) **var. n.** Palaeocene, Pakistan, **Smout**, A. H. & **Haque**, A. F. M. M.; *R. iljini* (p. 584); *R. heckeri* (p. 585); *R. simakovi* (p. 586); *R. kleinbergi* (p. 588); **spp. n.** Ferghana, USSR, Palaeogene, **Bykova**, N. K. (3); *R. maschanliensis* (p. 56); *R. bullaformis* (p. 58); *R. subbeccarii* (p. 59) **spp. n.** Miocene, Azerbaidjan SSR, **Pronina**, M. T. (1); *R. menardii* d'Orbigny 1826, shown to be unavailable, and placed in synonymy of *R. menardii* Parker, Jones & Brady 1865, **Banner**, F. T. & **Blow**, W. H. (2); *R. obesa* Terquem (van Bellen 1946) referable to *Boldia cubensis* Cushman & Bermudez 1948, **Hofker**, J. (7); *R. pshechensis* (p. 48); *R. conquisita* (p. 48) **spp. n.** N. Caucasus, USSR, Miocene, **Krasheninnikov**, V. A. *in* **Zhizhchenko**, B. P. [Ed.].

Rotaliacea Ehrenberg 1839 (p. 303) *nom. correct. pro* superfam. Rotalidea Glaessner 1945, *nom. transl. ex* fam. Rotalina Ehrenberg 1839 [superfam. of Foraminiferida], **Loeblich**, A. R. & **Tappan**, H. (3).

Rotalidae Delage & Hérouard 1896, see Rotaliina, **Loeblich**, A. R. & **Tappan**, H. (7).

Rotalidea Glaessner 1945, see Rotaliacea, **Loeblich**, A. R. & **Tappan**, H. (3).

Rotaliidea, taxonomy of some genera, **Reiss**, Z. & **Merling**, P.

Rotaliina Delage & Hérouard 1896, *nom. correct* (p. 219) pro Rotalidae Del. & Hér. 1896, includes Nodosariacea, Buliminacea, Asterigerinacea, Rotaliacea, Globigerinacea, Orbitoidacea, Cassidulinacea, Carterinacea and Spirillinacea, **Loeblich**, A. R. & **Tappan**, H. (7).

Rotalina Ehrenberg 1839, see Rotaliacea, **Loeblich**, A. R. & **Tappan**, H. (3).

Rotalina cultrata d'Orbigny 1839, neotype proposed and described, **Banner**, F. T. & **Blow**, W. H. (2).

Rotalipora Brotzen 1942, revised taxonomy, **Klaus**, J. (1).

Rotaliporidae Sigal 1958, recognized as distinct from Globorotaliidae; includes Hedbergellinae and Rotaliporinae, **Loeblich**, A. R. & **Tappan**, H. (2).

Rotorbinella bartheli (p. 102) **sp. n.** Pliocene, Greece, **Christodoulou**, G.; *R. fungiformis* (p. 61) **sp. n.** Eocene, Russia, **Subbotina**, N. N. *in* **Bykova**, N. K. *et al.*

Rotundina **gen. n.** (p. 164) of Globorotaliidae, type sp. *Globotruncana stephani* Gandolfi 1942, Cenomanian; *R. ordinaria* **sp. n.** (p. 166) Maastrichtian, Cretaceous, USSR, **Subbotina**, N. N. (2).

Ruatoria **gen. n.** (p. 480) of Uvigerinidae, type sp. *R. ruatoria* (p. 480) **sp. n.** Miocene, New Zealand, **Vella**, P.

Rugoglobigerina jerseyensis (p. 49) **sp. n.** Cretaceous, New Jersey, USA, **Olsson**, R. K.; *R. kingi* (p. 339); *R. praehelvetica* (p. 340) **spp. n.** Cretaceous, California, **Trujillo**, E. F.; *R. mexicana* (p. 98); *R. tetracamerata* (p. 99) **spp. n.** Cretaceous, Mexico, **Olvera**, Y. E.; *R.* (*Rugoglobigerina*) *pilula* (p. 92); *R.* (*R.*) *bulbosa* (p. 94); *R.* (*R.*) *plana* (p. 95); **spp. n.** Cretaceous, W. Australia, **Belford**, D. J. (1).

Rugoglobigerininae Subbotina **subfam. n.** (p. 303) of Hantkeninidae, pro *Rugoglobigerina* Bronnimann 1952, *Acarinina* Subbotina 1953 and *Turborotalia* Cushman & Bermudez 1949, **Rauzer-Chernousova**, D. M. & **Fursenko**, A. V. [Eds.].

Rugosofusulina flexuosa (p. 110); *R. eliptica* (p. 110) **spp. n.** Russia, Carboniferous, **Rozovskaya**, S. E. (2); *R. likana* (p. 27) **sp. n.** Permian, Yugoslavia, **Kochansky-Devidé**, V. (1); *R. uralensis* (p. 36) **sp. n.** Carboniferous, Russia, **Rozovskaya**, S. E. (1).

Rupertia Wallich 1877, see *Rupertina*, **Loeblich**, A. R. & **Tappan**, H. (3).

Rupertiidae Cushman 1927, see Rupertininae, **Loeblich**, A. R. & **Tappan**, H. (3).

Rupertiinae Galloway 1933, see Rupertininae, **Loeblich**, A. R. & **Tappan**, H. (3).

Rupertina **nom. nov.** (p. 312) pro *Rupertia* Wallich 1877 non Gray 1865, type sp. *Rupertia stabilis* Wallich 1877, **Loeblich**, A. R. & **Tappan**, H. (3).

Rupertininae **nom. nov.** (p. 312) *nom. subst. pro* subfam. Rupertiinae Galloway 1933, *nom. transl. ex* fam. Rupertiidae Cushman 1927 [subfam. of Homotremidae], **Loeblich**, A. R. & **Tappan**, H. (3).

Rzehakina operta (p. 68) **sp. n.** [in text] Cretaceous, Siberia, **Bulatova**, Z. I. (2).

Saccammina (*?*) *discoidea* (p. 27) **sp. n.** Permian, Russia, **Voronov**, P. S. ; *S. franconica* **sp. n.** (p. 88) Jurassic, Germany, **Ziegler**, J. H. (**1**) ; *S. glenisteri* (p. 401) **sp. n.** Devonian, W. Australia, **Crespin**, I. (**7**) ; *S. ingloria* (p. 18) **sp. n.** Devonian, Russia, **Bykova**, E. V. (**1**) ; *S. inusitata* (p. 33) **sp. n.** Jurassic, Russia, **Sharovskaya**, N. V. ; *S. lathrami* (p. 289) **sp. n.** Cretaceous, Alaska, **Tappan**, H. ; *S. ligula* (p. 1207) **sp. n.** Oklahoma, Carboniferous, **Gutschick**, R. C., **Weiner**, J. L. & **Young**, L.

Saccamminis **gen. n. nom. n.** (p. 1217) pro *Saccamminoides* Ireland 1956 ; type sp. *Saccamminis multicella* (Ireland) =*Saccamminoides multicella* Ireland 1956 ; Kansas, Carboniferous, **Ireland**, H. A.

Saccamminoides, see *Saccamminis* **gen. n.**, **Ireland**, H. A.

Sakhiella **gen. n.** (p. 155) of Rotaliidae, type sp. *S. nammalensis* (p. 156) **sp. n.** Palaeocene, W. Pakistan, **Haque**, A. F. M. M. (**1**).

Saracenaria bolgradica (p. 34) **sp. n.** Jurassic, Moldavia, **Mamontova**, E. V. ; *S. cowcreekensis* (p. 315) **sp. n.** Cretaceous, California, **Trujillo**, E. F. ; *S. cretacea* (p. 97) **sp. n.** Crimea, USSR, Cretaceous, **Gorbachik**, T. N. *in* **Drushchitz**, V. V. & **Kudryavtzev**, M. P. ; *S. elongata* (p. 145) **sp. n.** Mexico, Cretaceous, **Obregón de la Parra**, J. ; *S. gracilis* (p. 492) ; *S. engelsensis* (p. 492) ; Kosyreva, V. F. **spp. n.** Saratov, Russia, Jurassic, **Khabarova**, T. N. (**1**) ; *S. grandstandensis* (p. 293) **sp. n.** Cretaceous, Alaska, **Tappan**, H. ; *S. malaviyai* (p. 27) **sp. n.** India, Jurassic, **Subbotina** & **Datta** *in* **Subbotina**, N. N., **Datta**, A. K. & **Srivastava**, B. N. ; *S. minatoi* (p. 537) **sp. n.** Pliocene, Japan, **Shirai**, T. ; *S. ornata* (p. 68) *S. albica* (p. 68) **spp. n.** [in text] Cretaceous, Siberia, **Bulatova**, Z. I. (**2**).

Saracenella tricarinata (p. 355) **sp. n.** Jurassic, Germany, **Seibold**, E. & **Seibold**, I. (**3**).

Schackoina cushmani (p. 565) **sp. n.** Cretaceous, Isle of Wight, **Barr**, E. T.

Schackoinidae Pokorný 1958, recognized as distinct from Hantkeninidae, **Loeblich**, A. R. & **Tappan**, H. (**2**).

Schenckiella Thalmann 1942, see *Martinottiella*, **Loeblich**, A. R. & **Tappan**, H. (**7**) ; *S. sagaensis* (p. 81) **sp. n.** Palaeogene, Japan, **Murata**, S. (**2**) ; *S. sengilcica* (p. 26) **sp. n.** Caucasus, USSR, Oligocene, **Balakhmatova**, V. T. *in* **Bykova**, N. K. *et al.*

Schubertella acuta chistjakovensis (p. 94) **subsp. n.** Carboniferous, Russia, **Manukalova**, M. F. ; *S. longiformis* (p. 174) **sp. n.** Timan, Russia, Permian, **Grozdilova**, L. P. & **Lebedeva**, N. S. ; *S. yadaniensis* **sp. n.** (p. 7) Permian, Japan, **Morikawa**, R. & **Isomi**, H.

Schwagerina Moeller 1877, revision of the genus, **Rauzer-Chernousova**, D. M. (**4**) ; *S. formosa* (p. 25) **sp. n.** Permian, Yugoslavia, **Kochansky-Devidé**, V. (**1**) ; *S. guembeli omensis* **nom. nov.** p. 111 pro *S. g. compacta* Sakagami & Omata 1957 (preoccup. *S. compacta* White 1932), **Sakagami**, S. & **Omata**, T. ; *S. otakiensis* (p. 213) **sp. n.** Permian, Japan, **Ishii**, A. & **Takahashi**, H. ; *S. paralinearis* (p. 24) ; *S. jenkinsi* (p. 25) **spp. n.** Permian, Arctic Archipelago, **Thorsteinsson**, R. *in* **Harker**, P. & **Thorsteinsson**, R. ; *S. primigena* (p. 187) ; *S. semilucera* (p. 189) **spp. n.** *S. s. granda* (p. 191) **subsp. n.** *S. otai* (p. 194) **sp. n.** Permian, Japan, **Nogami**, Y. (**1**) ; *S. guembeli pseudoregularis* considered a synonym (p. 124) of *S. crassitectoria*, Permian, Texas, **Ross**, C. A. (**1**) ; *S. sophiae* (p. 248) **sp. n.** Timan, Russia, Permian, **Grozdilova**, L. P. & **Lebedeva**, N. S. ; *S. sphaerica sokensis* (p. 51) **var. n.** *S. s. compressa* (p. 51) **forma n.** Russia, Carboniferous, **Shcherbovich** *in* **Rauzer-Chernousova**, D. M. & **Shcherbovich**, S. F.

Seabrookia stewarti (p. 42) **sp. n.** Cretaceous, New Jersey, USA, **Olsson**, R. K.

Semirosalina **gen. n.** (p. 103) of Discorbiidae, type sp. *S. inflata* (p. 103) ; *S. deflata* (p. 103) ; **spp. n.** Miocene, New Zealand, **Hornibrook**, N. de B.

Semitextularia Miller & Carmer 1933, emend. mihi (p. 32) ; *S. oscoliensis* (p. 33) ; *S. semilukiensis* (p. 34) ; *S. sigillaria* (p. 36) ; *S. natiopsis* (p. 37) ; *S. minuta* (p. 38) ; *S. inartia* (p. 39) ; *S. palmuliensis* (p. 40) ; *S. platicera* (p. 41) ; **spp. n.** Russia, Devonian, **Bykova**, E. V. (**1**).

Septatournayella potensa (p. 142) ; *S. lacera* (p. 143) ; *S. njumylga* (p. 144) ; **spp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina**, A. V.

Sibirella delicata (p. 69) **sp. n.** [in text] Cretaceous, Siberia, **Bulatova**, Z. I. (**2**).

Siderina Abrard 1926, see *Pokornyella*, **Loeblich**, A. R. & **Tappan**, H. (**7**).

Siderolites krechovi (p. 106) **sp. n.** Cretaceous, Pre-Carpathians, **Tereschuk**, A. S.

Sigalia **gen. n.** (p. 5) of Guembelinidae, type sp. *Guembelina* (*Ventilabrella*) *deflaensis* Sigal 1952, Cretaceous, Israel, **Reiss**, Z. (**1**) ; *Sigalia*, systematics, **Reiss**, Z. (**4**).

Sigmoidella caucasica (p. 62) **sp. n.** Caucasus, USSR, Miocene, **Krasheninnikov**, V. A. *in* **Zhizhchenko**, B. P. [Ed.].

Sigmoilina haidingerii tschokrakensis (p. 159) **var. n.** ; *S. mediterranensis* (p. 160) **sp. n.** Chokrak deposits, Pre-Caucasus, USSR, **Bogdanovich**, A. K. (**2**) ; *S. tschokrakensis kobistanensis* (p. 45) **var. n.** *S. elegantissima* (p. 46) **sp. n.** Miocene, Azerbaidjan SSR, **Pobedina**, V. M., **Voroshilova**, A. G., **Ruibina**, O. I. & **Kuznetzova**, Z. V. ; *S. virgata* (p. 120) **sp. n.** Palaeogene, Aral–Turgan plain, USSR, **Serova**, M. Ya. (**3**).

Sigmoilopsis tumidus (p. 126) **sp. n.** Palaeogene, Aral–Turgan plain, USSR, **Serova**, M. Ya. (**3**).

Sigmomorphina obesa (p. 59) Oligocene ; *S. lornensis* (p. 59) Eocene ; **spp. n.** New Zealand, **Hornibrook**, N. de B.

Siphogenerina duartei (p. 40) *S. roxoi* (p. 40) **spp. n.** Brazil, Quaternary, **Tinoco**, I. de M.

Siphogenerinoides Cushman 1927, revision of the genus, species from the Californian Cretaceous placed in *Siphogenerita* **gen. n.**, *S. oveyi* and *S. o. compressa* Nakady, Cretaceous, Egypt considered to be true members of *Siphogenerinoides*, **Furrer**, M. A. ; *S. clavata* (p. 71) *S. dentata* (p. 74) **spp. n.** Gabon, Africa, Cretaceous, **Chenouard**, L., **Klasz**, I. de & **Meijer**, M.

Siphogenerita **gen. n.** (p. 271) of Uvigerinidae, type sp. *Siphogenerinoides clarki* Cushman & Campbell 1936, Cretaceous, California, **Furrer**, M. A.

Siphonaperta vellai (p. 35) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.

Siphonina khirthari (p. 32) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2) ; *S. orientalis* (p. 77) **sp. n.** Palaeogene, Turkmenia, **Morozova,** V. G. (2) ; *S. ornatissima* (p. 73) **sp. n.** Spain, Tertiary, **Colom,** G. (2).

Siphonodosaria inexculta (p. 188) ; *S. stricticollum* (p. 188) ; **spp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4).

Siphoteztularia andersoni (p. 529) *S. globuliformis* (p. 530) **spp. n.** Canada, Cretaceous, **McGill,** P. C. & **Loranger,** D. M. ; *S. bolivina* (p. 22) ; *S. emaciata* (p. 22) Miocene ; *S. lornensis* (p. 23) ; *S. finlayi* (p. 23) ; *S. cordis* (p. 24) **spp. n.** Eocene, New Zealand, **Hornibrook,** N. de B.

Smoutina **gen. n.** (p. 306) of Rotaliidae, type sp. *S. cruysi* (p. 307) **sp. n.** Palaeocene, C. America, **Drooger,** C. W. (4).

Soriella **gen. n.** (p. 39) of Anomalinidae, type sp. *S. schoechlei* (p. 39) ; *S. orbicularis* (p. 39) ; **spp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2).

Sornayina **gen. n.** (p. 320) aff. with Lituolidae and Trochamminidae, type-species *S. foissacensis* (p. 320), *S. schlumbergeri* (p. 322), *S. munieri* (p. 322) **spp. n.** Cretaceous, France, **Marie,** P. (1) ; *Sornayina* Marie 1960, external morphology, analysis of interior structure, concept of test trimorphism discussed and proposal (p. 500) to unite the 3 " species " *S. foissacensis*, *S. schlumbergeri* and *S. munieri* Marie 1960, under the single name *S. foissacensis*, **Mayne,** W. (4).

Sorosphaera adhaerens (p. 403) **sp. n.** Devonian, W. Australia, **Crespin,** I. (7).

Sphaeroidina (?) *dubia* (p. 173) **sp. n.** Palaeocene, W. Pakistan, **Haque,** A. F. M. M. (1) ; *S. zöbeleini* (p. 44) **sp. n.** Pliocene, Carpathos Is., Greece, **Christodoulou,** G.

Sphaeroidinella cellata (p. 59) ; *S. spinulosa* (p. 61) **spp. n.** Albania, Pliocene, **Subbotina,** N. N. *in* **Bykova,** N. K. *et al.*

Sphaeroidinellopsis nepenthes constricta (p. 1278) **var. n.** Miocene ; Caribbean–Antilles, **Bermudez,** P. J. (2).

Sphaeroidinidae Cushman 1927 (p. 300) *nom. transl. ex* subfam. Sphaeroidininae Cushman 1927 [fam. of Buliminacea], **Loeblich,** A. R. & **Tappan,** H. (3).

Sphaeroidininae Cushman 1927, see Sphaeroidinidae, **Loeblich,** A. R. & **Tappan,** H. (3).

Spirillina andreae (p. 86) **sp. n.** Poland, Jurassic, **Bielecka,** W. (2) ; *S. bacteriformis* **sp. n.** (p. 80) Carboniferous, Algeria, **Deleau,** P. & **Marie,** P. ; *S. kübleraeformis* (p. 31) ; *S. affinis* (p. 32) **spp. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. (3) ; *S. neocomiana* (p. 213) **sp. n.** France, Cretaceous, **Moullade,** M. (4) ; *S. schamachinica* (p. 92) **sp. n.** Cretaceous, Azerbaidjan SSR, **Geodakchan,** A. A.

Spirillinacea Reuss 1862 (p. 317) *nom. correct. pro* subfam. Spirillinoidea Chapman, Parr & Collins 1934, *nom. transl. ex* fam. Spirillinidea Reuss 1862, and *nom. correct. pro* superfam. Spirillinidea Pokorný 1958, *nom. correct. pro* superfam. Spirillinoidea Chapman, Parr & Collins 1934 [superfam. of Foraminiferida], **Loeblich,** A. R. & **Tappan,** H. (3).

Spirillinidea Reuss 1862, and Spirillinidea Pokorný 1958, see Spirillinacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Spirillinoidea Chapman, Parr & Collins 1934, see Spirillinacea, **Loeblich,** A. R. & **Tappan,** H. (3).

Spirobolivina vitilis (p. 81) **sp. n.** Cretaceous, Russia, **Voloshina,** A. M. (2).

Spirolocammina planula **sp. n.** (p. 72) Cretaceous, Wyoming, **Eicher,** D. L.

Spiroloculina bicarinata (p. 143) **sp. n.** Miocene, Georgia SSR, **Dzhanelidze,** O. I. (2) ; *S. estebani* (p. 17) *S. mosesi* (p. 17) **spp. n.** Brazil, Quaternary, **Tinoco,** I. de M. ; *S. irma* (p. 161) **sp. n.** Chokrak deposits, Pre-Caucasus, USSR, **Bogdanovich,** A. K. (2) ; *S. plana* (p. 47) **sp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V. ; *S. praecusor* (p. 18) **sp. n.** Austria, Trias, **Oberhauser,** R. ; *S. tricarinata belgica* (p. 153) **var. n.** ; *S. costigera nuda* (p. 156) **var. n.** Eocene, Belgium, **Kaasschieter,** J. P. H.

Spiroplecta Ehrenberg 1844, is a junior isogenotypic synonym of *Heterohelix* Ehrenberg 1841, **Loeblich,** A. R. & **Tappan,** H. (3).

Spiroplectammina albita (p. 220) **sp. n.** Carboniferous, Timano-Pechora, USSR, **Durkina,** A. V. ; *S. angustilocula* (p. 184) **sp. n.** Miocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4) ; *S. dorni* (p. 30) **sp. n.** Hauterivian, Germany, **Zedler,** B. (2) ; *S. kelleri* (p. 22) ; *S. kasanzewi* (p. 24) ; **spp. n.** Siberia, USSR, Cretaceous, **Dain,** L. G. (2) ; *S. lingua* (p. 73) **sp. n.** Cretaceous, Belorussia, **Akimetz,** V. S. (4) ; *S. mirabila* (p. 70) **sp. n.** [in text] Cretaceous, Siberia, **Bulatova,** Z. I. (2) ; *S. paula* (p. 8) **sp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1) ; *S. pishvanovae* (p. 256) **sp. n.** Eocene, Belorussia, **Fursenko,** A. V. & **Fursenko,** K. B. (2) ; *S. variata* (p. 190) ; *S. pellucida* (p. 192) **spp. n.** Palaeocene, Russia, **Vasilenko,** V. P.

Spiroplectinata compressiuscula (Chapman) 1917, emend. description (p. 15), Cretaceous, W. Australia, **Belford,** D. J. (1).

Spirosigmoilina mindaleformis (p. 123) **sp. n.** Palaeogene, Aral–Turgan plain, USSR, **Serova,** M. Ya. (3).

Spirotecta **gen. n.** (p. 81) of ? Chilostomellidae, type sp. *S. pellicula* (p. 81) **sp. n.** Cretaceous, W. Australia, **Belford,** D. J. (3).

Sporobulimina eocaena (p. 67) **sp. n.** Eocene, Russia, **Bykova,** N. K. *in* **Bykova,** N. K. *et al.*

Stacheia Brady 1876, new to the Mississippian ; *S. cicatrix* (p. 338) ; *S. neopupoides* (p. 340) ; *S. trepeilopsiformis* (p. 341) ; **spp. n.** Kentucky, USA, Carboniferous, **Conkin,** J. E.

Stacheiinae **subfam. n.** (p. 285) of Ptychocladiidae, type-genus *Stacheia* Brady 1876, **Loeblich,** A. R. & **Tappan,** H. (3).

Stainforthia vestfoldensis (p. 26) ; *S. concisa* (p. 27) ; **spp. n.** Recent, Antarctica, **Crespin,** I. (2).

Stensiöina dictyon (p. 307) **sp. n.** Czechoslovakia, Cretaceous, **Pokorný,** V. (2) ; *S. granosa* (p. 156) **sp. n.** Palaeocene, W. Pakistan, **Haque,** A. F. M. M. (1) ; *S. praecexculpta laevigata* (p. 121) **var. n.** Cretaceous, Belorussia, **Akimetz,** V. S. (4) ; *S. truncata* (p. 81) **sp. n.** Cretaceous, W. Australia, **Belford,** D. J. (1).

Stilostomella bortonica (p. 49) ; *S. basicarinata* (p. 50) Eocene ; *S. finlayi* (p. 50) ; *S. awamoana* (p. 51) Miocene **spp. n.** New Zealand, **Hornibrook,** N. de B.

Stomasphaera **gen. n.** (p. 28) of Saccamminidae, type sp. *S. brassfieldensis* (p. 28) **sp. n.** Silurian, Indiana, USA, **Mound,** M. C.

Stomatorbina ranikotensis (p. 157) **sp. n.** Palaeocene, W. Pakistan, **Haque,** A. F. M. M. (1).

Stomatorotalia brauhii (p. 31) ; *S. toddae* (p. 32) **spp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2).

Storrsella **gen. n.** (p. 295) of Rotaliidae, type sp. *Cibicides haastersi* van den Bold 1946, Eocene, Guatemala, **Drooger,** C. W. (4).

Streblus alius (p. 203) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4) ; *S. beccarii konkensis* (p. 55) **var. n.** [as *konkensis* (p. 59) and (p. 61)] ; *S. b. aculeata* (p. 56) **var. n.** [as *aculata* (p. 61)] ; *S. b. aculeataeformis* (p. 57) **var. n.** [as *aculataformis* (p. 61)] ; *S. b. septata* (p. 58) **var. n.** *S. b. septataeformis* (p. 58) **var. n.** [as *septataformis* (p. 61)] Miocene, Azerbaidjan SSR, **Pronina,** M. T. (2) ; *S. nanus* (p. 128) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.

Subbotina **gen. n.** (p. 160) of Globigerinidae ?, type sp. *Globigerina triloculinoides* Plummer 1926, **Brotzen,** F. & **Pozaryska,** K.

Sumatrina borissiaki (p. 90) **sp. n.** Permian, Russia, **Tumanskaya,** O. G. (1).

Syniella silurica (p. 1005), *S. lucida* (p. 1006) [*lucida* p. 1006] **spp. n.** Silurian, Siberia, **Lipina,** O. A. (1).

Tawitawiinae **subfam. n.** (p. 282) of Textulariidae, type-genus *Tawitawia* Loeblich 1952, **Loeblich,** A. R. & **Tappan,** H. (3).

Tereuva **subgen. n.** (p. 475) of *Hofkeruva* **gen. n.** q.v., **Vella,** P.

Tetrataxis acutus (p. 221) ; *T. izhmica* (p. 222) **spp. n.** Timano-Pechora, USSR, Carboniferous, **Durkina,** A. V.

Textularia agglutinans nalinnesensis (p. 141) **var. n.** Belgium, Eocene, **Kaasschieter,** J. P. H. ; *T. alishanensis* (p. 78) ; *T. pseudokansaiensis* (p. 79) **spp. n.** Miocene, W. Taiwan, **Chang,** L.-S. (3) ; *T. amudariensis* (p. 59) ; *T. pitniakensis* (p. 59) **spp. n.** Cretaceous, Asia, **Suleimanov,** I. S. (1) ; *T. bernardi* (p. 30) **sp. n.** France, Cretaceous, **Chevalier,** J. ; *T. cenomana* (p. 76) ; *T. indistincta* (p. 77) ; **spp. n.** Cretaceous, Belorussia, **Akimets,** V. S. (4) ; *T. chaltanensis* (p. 28) **sp. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. (3) ; *T. compressa* (p. 141) **sp. n.** Cretaceous, Mexico, **Obregón de la Parra,** J. ; *T. densa* (p. 98) **sp. n.** Jurassic, Crimea, USSR, **Hofman,** O. A. ; *T. deyaensis* (p. 13) **sp. n.** Miocene, Majorca, **Colom,** G. (1) ; *T. dunasi* (p. 81) ; *T. hillebrandti* (p. 81) ; **spp. n.** *T. marinosi marinosi* (p. 82) **sp. n.** *T. m. depressula* (p. 82) **subsp. n.** Pliocene, Carpathos Is., Greece, **Christodoulou,** G. ; *T. grandicula* (p. 70) **sp. n.** [in text] Cretaceous, Siberia, **Bulatova,** Z. I. (2) ; *T. granularica* (p. 134) **sp. n.** Eocene, Ukraine, **Dabaghyan,** N. V. (1) ; *T. hikagezawensis* (p. 78) **sp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. (2) ; *T. izgii* **nom. nov.** (p. 30) pro *T. cuyleri* Davis 1951, Miocene, *T. pseudodeperdita* (p. 31) **sp. n.** Pliocene, Italy, **Giannini,** E. & **Tavani,** G. (2) ; *T. machaera* (p. 92) **sp. n.** Cretaceous, Azerbaidjan SSR, **Geodakchan,** A. A. ; *T. ototara* (p. 17), Eocene ; *T. awamoana* (p. 18) ; *T. cuneazea* (p. 19) ; *T. semicarinata* (p. 19) ; Miocene, **spp. n.** New Zealand, **Hornibrook,** N. de B. ; *T. parallela amudariensis* (p. 38) **subsp. n.** ; *T. pitnijakensis* (p. 38) **sp. n.** ; Campanian Cretaceous, USSR, **Suleimanov,** I. S. (2) ; *T. punjabensis* (p. 31) ; *T. crookshanki* (p. 32) **spp. n.** W. Pakistan, Eocene, **Haque,** A. F. M. M. (1) ; *T. ? shorsuensis* (p. 580) **sp. n.** Ferghana, USSR, Palaeogene, **Bykova,** N. K. (3) ; *T. ushbuli* (p. 18) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2).

Textulariidae Delage & Hérouard 1896, see Textulariina, **Loeblich,** A. R. & **Tappan,** H. (7).

Textulariella humilis (p. 161) **sp. n.** Coniacian, Austria, **Tollmann,** A.

Textulariina Delage & Hérouard 1896, *nom. correct.* (p. 217) pro Textulariidae Delage & Hér. 1896, includes Ammodiscacea Reuss 1862 and Lituolacea Lamarck 1809, **Loeblich,** A. R. & **Tappan,** H. (7).

Thurammina arenacorna (p. 1208) ; *T. congesta* (p. 1208) ; *T. pustulosa* (p. 1210) **spp. n.** Texas, Carboniferous, **Gutschick,** R. C., **Weiner,** J. L. & **Young,** L.

Thuramminoides Plummer 1945, emend. (p. 240) now placed in Astrorhizidae non Saccamminidae ; type sp. *T. sphaeroidalis* Plummer 1945, emend. (p. 243) ; Carboniferous, Texas ; *T. teicherti* (Parr) Crespin 1958, considered a synonym of *T. sphaeroidalis*, genus new to Mississippian system, **Conkin,** J. E.

Ticinella aprica (p. 292) **sp. n.** Texas, USA, Cretaceous, **Loeblich,** A. R. & **Tappan,** H. (2) ; *T. subgaultina* (p. 94) **sp. n.** Cretaceous, Azerbaidjan SSR, **Geodakchan,** A. A.

Tikhinella **gen. n.** (p. 29) of Lagenidae, type sp. *T. measpis* (p. 30) ; *T. fringa* (p. 30) ; *T. pirula* (p. 31) ; *T. cannula* (p. 32) ; **spp. n.** Devonian, Russia, **Bykova,** E. V. (1).

Tobolia **gen. n.** (p. 39) of Polymorphinidae, type sp. *T. veronikae* (p. 40) **sp. n.** Cretaceous, Siberia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*

Tolypammina cretacea (p. 10) **sp. n.** Cretaceous, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.* ; *T. helina* (p. 407) ; *T. nexuosa* (p. 407) **spp. n.** Devonian, W. Australia, **Crespin,** I. (7) ; *T. incertae* (p. 79) **sp. n.** Russia, Carboniferous, **Fomina,** E. V. (2) ; *T. jacobschapelensis* (p. 303) ; *T. laocoon* (p. 305) **spp. n.** Indiana, USA, Carboniferous, **Conkin,** J. E. ; *T. sperma* (p. 1217) **sp. n.** Indiana, USA, Carboniferous, **Gutschick,** R. C., **Weiner,** J. L. & **Young,** L.

Tolypamminella **gen. n.** of Ammodiscidae (p. 83) type sp. *T. vermiculare* **sp. n.** (p. 83) Carboniferous, Algeria, **Deleau,** P. & **Marie,** P.

Tournayella accepta (p. 8) **sp. n.** Carboniferous, Urals, USSR, **Shlykova,** T. I. *in* **Pozner,** V. M. & **Shlykova,** T. I.

Trepeilopsis grandis minima (p. 11) **var. n.** Namurian, Russia, **Dain,** L. G. *in* **Bykova,** N. K. *et al.*

Trifarina [as *Trifarllna* (p. 93)] *azerbaidjanica* (p. 93) **sp. n.** Cenomanian, Azerbaidjan SSR, **Geodakchan,** A. A. ; *T. parva* (p. 71) **sp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.

Trigonouva **subgen. n.** (p. 476) of *Hofkeruva* **gen. n.** q.v., **Vella,** P.

Triloculina confirmata (p. 83) **sp. n.** Caucasus, USSR, Miocene, **Krasheninnikov,** V. A. *in* **Zhizhchenko,** B. P. [Ed.] ; *T. lecalvezae* (p. 166) **nom. nov.** pro *T. laevigata* d'Orbigny in Terquem 1878, non Bornemann 1855, France, Eocene, **Kaasschieter,** J. P. H. ; *T. okamotoi* (p. 384) **sp. n.** Miocene, Japan, **Tai,** Y. (1) ; *T. pseudo-enoplostoma* (p. 19) ; *T. reinemundi* (p. 19) ; *T. sori* (p. 20) ; **spp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2) ; *T. regularis* (p. 114) ; *T. sphaeroides* (p. 115) ; **spp. n.** Palaeogene, Aral–Turgan plain, USSR, **Serova,** M. Ya. (3) ; *T. sarahae* (p. 59) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1).

Triplasia agglutinans (p. 15) **sp. n.** Jurassic, Russia, **Kozyreva,** V. F. *in* **Bykova,** N. K. *et al.*

Tristix valanginica (p. 85) **sp. n.** Crimea USSR, Cretaceous, **Schokhina,** V. A. *in* **Drushchitz,** V. V. & **Kudryavtzev,** M. P.

Tritaxia danica (p. 216) **sp. n.** Denmark, Danian [non descr.], **Hofker,** J. (10).

Tritaxilina balearica (p. 31) **sp. n.** Miocene, Majorca, **Colom,** G. (1).

Triticites communis (p. 132) **sp. n.** *T. c. krasnoglinkensis* (p. 132) **var. n.** *T. atelicus* (p. 133) ; *T. lucidus* (p. 133) ; *T. kuibyshevi* (p. 134) ; *T. fortissimus* (p. 134) ; **spp. n.** *T. f. convexa* (p. 135) **var. n.** *T. pantelecvi* (p. 135) ; *T. postarcticus* (p. 136) **spp. n.** Russia, Carboniferous, **Rauzer-Chernousova,** D. M. (1) ; *T. erraticus* (p. 32) ; *T. altus* (p. 34) ; *T. sphaericus* (p. 35) ; **spp. n.** Russia, Carboniferous, **Rozovskaya,** S. E. (1) ; *T. inopinatus* (p. 21) **sp. n.** Permian, Yugoslavia, **Kochansky-Devidé,** V. (1) ; *T.* (*Triticites*) *irregularis rugosus* (p. 87) **subsp. n.** *T.* (*T.*) *schwageriniformis bellus* (p. 89) **subsp. n.** *T.* (*T.*) *fortissimus* Rauzer-Chernousova MS. (p. 90) ; *T.* (*T.*) *triangulus* (p. 91) ; *T.* (*T.*) *complicatus* (p. 91) ; *T.* (*T.*) *elongatissimus* (p. 92) ; *T.* (*T.*) *mogutovensis* (p. 92) ; *T.* (*T.*) *umbus* (p. 93) ; *T.* (*Rauserites*) *major* (p. 94) ; **spp. n.** *T.* (*R.*) *communis* Rauzer-Chernousova MS. (p. 95) ; *T.* (*R.*) *postarcticus* Rauzer-Chernousova MS. (p. 96) ; *T.* (*R.*) *modificatus* (p. 96) **sp. n.** *T.* (*R.*) *exilis* Panteleev MS. (p. 97) ; *T.* (*R.*) *kuibyshevi* Rauzer-Chernousova MS. (p. 98) ; *T.* (*R.*) *lucidus* Rauzer-Chernousova MS. (p. 100) ; *T.* (*R.*) *morkvashensis* (p. 101) ; *T.* (*R.*) *pulchrus* (p. 102) **spp. n.** *T.* (*Jigulites*) *longus mucronatus* (p. 104) **subsp. n.** Carboniferous, Russia, **Rozovskaya,** S. E. (2) ; *T. kawanoboriensis kaishodaniensis* (p. 236) **subsp. n.** Permian, Japan, **Igô,** H. ; *T. montiparus gravitestus* (p. 166) **subsp. n.** Permian, Japan, **Nogami,** Y. (1) ; *T. pensus* (p. 179) ; *T. domesticus* (p. 180) ; *T. dubius* (p. 182) ; *T. tersus* (p. 183) ; *T. cheni* (p. 185) ; *T. elatus* (p. 186) ; *T. mancus* (p. 187) ; *T. duplex* (p. 188) ; *T. paraduplex* (p. 189) ; *T. festus* (p. 190) ; *T. poljaricus* (p. 193) ; *T. teres* (p. 194) ; *T. komiensis* (p. 195) ; **spp. n.** Timan, Russia, Permian, **Grozdilova,** L. P. & **Lebedeva,** N. S. ; *T. planus* (p. 31) ; *T. wyomingensis* (p. 34) ; *T. onustus* (p. 42) ; *T. notus* (p. 47) **spp. n.** Wyoming, USA, Carboniferous, **Thompson,** M. L. & **Thomas,** H. D. ; *T. plummeri crassa* (p. 27) **subsp. n.** Carboniferous, Russia, **Rauzer-Chernousova** *in* **Rauzer-Chernousova,** D. M. & **Shcherbovich,** S. F. ; *T. thalmanni* **nom. nov.** (p. 111) pro *T. intermedia* Sakagami & Omata 1957 (preoccup. *T. jigulensis intermedia* Slykowa 1948 and *T.* (*Jigulites*) *intermedius* Rozovskaja 1950), **Sakagami,** S. & **Omata,** T.

Tritubulogenerina dentonensis (p. 271) **sp. n.** Tortonian, Italy, **Gianotti,** A.

Trochammina Parker & Jones 1859, new to the Mississippian ; *T. ohioensis* (p. 335) Ohio, USA, Carboniferous, **sp. n., Conkin,** J. E. ; *T. adveniformis* (p. 56) ; *T. valvulaminaeformis* (p. 58) **spp. n.** Cretaceous, Asia, **Suleimanov,** I. S. (1) ; *T. bavarica* (p. 93), *T. robusta* (p. 93), *T. valvulinoides* (p. 94), *T. pulchra* (p. 94) **spp. n.,** Jurassic, Germany, **Ziegler,** J. H. (1) ; *T. bullata* (p. 85) ; *T. yubarensis* (p. 87) **spp. n.** Cretaceous, Hokkaido, Japan, **Takayanagi,** Y. (2) ; *T. canariformis varians* (p. 29) **var. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. (3) ; *T. concava* (p. 342) ; *T. parva* (p. 344) ; *T. rotundata* (p. 345) **spp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. (3) ; *T. concava vocontiana* (p. 200) **var. n.** Hautes Alpes, Cretaceous, **Moullade,** M. (1) ; *T. dampelae* (p. 27) **sp. n.** Cretaceous, Chelyabinsk Province, USSR, **Dain,** L. G. (2) ; *T. gyroidiniformis* (p. 143) **sp. n.** Barremian, Russia, **Mjatliuk,** E. V. (3) ; *T. kibleri* (p. 94) **sp. n.** Trans-Carpathians, Miocene, **Venglinsky,** I. V. (3) ; *T. markini* (p. 226) **sp. n.** Kamchatka, Oligocene, **Budasheva,** A. I. *in* **Voloshinova,** N. A. & **Budasheva,** A. I. ; *T. pentacamerata* (p. 45) ; *T. gracilis* (p. 45) ; *T. completa* (p. 45) **spp. n.** [in a table] Palaeogene, Siberia, **Lipman,** R. Kh. (2) ; *T. plana* (p. 193) **sp. n.** Palaeocene, Russia, **Vasilenko,** V. P. ; *T. separabilis* (p. 135) **sp. n.** Eocene, Ukraine, **Dabaghyan,** N. V. (1) ; *T. sewellensis* (p. 8) **sp. n.** Cretaceous, New Jersey, USA, **Olsson,** R. K. ; *T. symmetrica* (p. 134) **sp. n.** Tertiary, Japan, **Ujiié,** H. & **Watanabe,** H. ; *T. vocontiana* **nom. nov.** (p. 133) pro *T. concava* Chapman 1892, France, Cretaceous, **Moullade,** M. (2).

Trochamminoides macrus (p. 70) **sp. n.** [in text], Cretaceous, Siberia, **Bulatova,** Z. I. (2).

Trocholina cavernosa (p. 32) **sp. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. (3) ; *T. conica* (Schlumberger) detailed description ; *T. transversarii* Paalzow, *T. nidiformis* (Brück.) and *T. paalzowi* Kuhn, are referred to *T. conica,* **Bielecka,** W. & **Dudziak,** E. ; *T. conosimilis* (p. 41) **sp. n.** Jurassic, India, **Subbotina** & **Srivastava** *in* **Subbotina,** N. N., **Datta,** A. K. & **Srivastava,** B. N. ; *T. infragranulata paucigranulata* (p. 135) **subsp. n.** France, Cretaceous, **Moullade,** M. (2) ; *T. molesta* (p. 79) ; *T. burlini* (p. 81) **spp. n.** Cretaceous, Russia, **Gorbachik,** T. N. ; *T. nana* (p. 809) ; *T. ukrainica* (p. 810) **spp. n.** Jurassic, Ukraine, **Kaptarenko-Chernousova,** O. K. (4) ; *T. nodulosa* (p. 376) **sp. n.** Jurassic, Germany, **Seibold,** E. & **Seibold,** I. (3).

Truncatulina d'Orbigny 1826, is a junior synonym of *Cibicides* Montfort 1808, **Loeblich,** A. R. & **Tappan,** H. (3).

Truncorotalia Cushman & Bermudez 1949, type sp. *Rotalina truncatulinoides* d'Orbigny 1839, nomenclatorial note, **Hofker,** J. (5) ; *T. aragonensis caucasica* (Glaessner 1937), regarded as a valid subsp. distinct from *T. velascoensis* (Cushman), **Reiss,** Z. (1) ; *T. truncatulinoides nana* (p. 924) **var. n.** Miocene, Gulf of Venezuela, **Bermudez,** P. J. (1).

Truncorotaloidinae **subfam. n.** (p. 309) of Globorotaliidae, type-genus *Truncorotaloides* Bronnimann & Bermudez 1953, **Loeblich,** A. R. & **Tappan,** H. (3).

Tscherdyncevella (?) *globulosa* (p. 149) **sp. n.** Khovanskian, Russia, **Reitlinger,** E. A. (5).

Tubeporina **gen. n.** (p. 51) of Parathuramminidae, type sp. *T. gloriosa* (p. 51) **sp. n.** Devonian, Urals, **Pronina,** T. V.

Tuberitina Galloway & Harlton 1928, reclassification; U. Permian, Osnovy Paleontologii (1959) places *Tuberitina* in Parathuramminidae with *Capidulina* Maslov in its synonymy, **B,** C. C.

Tuberitinidae **fam. n.** (p. 158) of Astrorhizida, for *Eotuberitina* **gen. n.** q.v.; *Tuberitina* Galloway & Harlton 1928; *Capidulina* Maslov 1935; and *Neotuberitina* **gen. n.** q.v. Devonian to Carboniferous, USSR, **Miklukho-Maklay,** A. D. (3); Tuberitinidae Miklukho-Maklay 1958, see Tuberitininae, **Loeblich,** A. R. & **Tappan,** H. (3).

Tuberitininae Miklukho-Maklay 1958 *nom. transl. ex* fam. Tuberitinidae Miklukho-Maklay 1958 [subfam. of Nodosinellidae], **Loeblich,** A. R. & **Tappan,** H. (3).

Turbienta **gen. n.** (p. 65) Familia Incertae Sedis, type sp. *T. bifida* (p. 65) **sp. n.** Ordovician, Russia, **Bykova,** E. V. (3).

Turbinoidae d'Orbigny 1840, invalid because not based upon the name of an included genus and placed on the Official Index of Rejected and Invalid Family-Group Names, **Opinion 552.**

Turborotalia altispiroides (p. 1316) Eocene; *T. clemenciae* (p. 1321) Oligocene; **spp. n.** Caribbean–Antilles, **Bermudez,** P. J. (2); *T. bykovae* (p. 69) **sp. n.** Miocene, Pre-Carpathians, USSR, **Aisenstat,** I. M. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V.

Turrilinidae Cushman 1927 (p. 300) *nom. transl. ex* subfam. Turrilininae Cushman 1927 [fam. of Buliminacea], **Loeblich,** A. R. & **Tappan,** H. (3).

Turrilininae Cushman 1927, see Turrilinidae, **Loeblich,** A. R. & **Tappan,** H. (3).

Turrispirillina lenticularia (p. 29); *T. mira* (p. 30); *T. submira* (p. 31); **spp. n.** Cretaceous, Azerbaidjan SSR, **Khalilov,** D. M. (3).

Turrispiroides Reitlinger (p. 181) **nom. nov.** pro *Turrispira* Reitlinger 1950; type sp. *Turrispira mira* Reitlinger 1950, Carboniferous, Russia, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.].

Tuvaellina **gen. n.** (p. 406) of Reitlingerellida, **ord. n.** q.v., type sp. *T. prima* (p. 406) *T. longiuscula* (p. 406) **spp. n.** Russia, Cambrian, **Vologdin,** A. G.

Umbella Maslov 1955, see *Umbellina*, **Loeblich,** A. R. & **Tappan,** H. (3).

Umbellina **nom. nov.** (p. 284) pro *Umbella* Maslov 1955 non d'Orb. 1841, type sp. *Umbella bella* Maslov 1955, **Loeblich,** A. R. & **Tappan,** H. (3).

Umbellinae Fursenko **subfam. n.** (p. 248) of Lagenidae, pro *Cochleatina* E. Bykova 1956, *Iligata* E. Bykova 1956, and *Umbella* Maslov 1955 in E. Bykova, **Rauzer-Chernousova,** D. M. & **Fursenko,** A. V. [Eds.]; Umbellinae Fursenko 1959, see Umbellininae, **Loeblich,** A. R. & **Tappan,** H. (3).

Umbellininae Loeblich & Tappan **nom. nov.** (p. 284) *nom. subst. pro* subfam. Umbellinae Fursenko 1959 *nom. nud.* [subfam. of Nodosinellidae], **Loeblich,** A. R. & **Tappan,** H. (3).

Uralinella **gen. n.** (p. 15) of Astrorhizidae, type sp. *U. bicamerata* (p. 16) **sp. n.** Devonian, Russia, **Bykova,** E. V. (1).

Ussuriella **gen. n.** (p. 21) of Fusulinidae, type sp. *U. ussurica* (p. 22) **sp. n.** Permian, Russia, **Sosnina,** M. I. *in* **Kiparisova,** L. D., **Markovski,** B. P. & **Radchenko,** G. P. [Eds.].

Uvigerina barbatula brevis (p. 131) **var. n.** Miocene, Syracuse, **Cita,** M. B.; *U. batjesi* (p. 197) **sp. n.** Eocene, Belgium, **Kaasschieter,** J. P. H.; *U. glebi* (p. 295) **sp. n.** Miocene, Ukraine, **Pischvanova,** L. S. (1); *U. gracilissima* (p. 81) **sp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V.; *U. perornata* (p. 95); *U. visenda* (p. 96); **spp. n.** Tortonian Miocene, Pre-Carpathians, USSR, **Pischvanova,** L. S. *in* **Subbotina,** N. N., **Pischvanova,** L. S. & **Ivanova,** L. V.; *U. sori* (p. 28) **sp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (2); *U. subproboscidea* (p. 136); *U. lakiensis* (p. 137) **spp. n.** Eocene, W. Pakistan, **Haque,** A. F. M. M. (1).

Uvigerinella hybridica (p. 213) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina,** N. N. (4); *U.* (?) *konkensis* (p. 81) **sp. n.** Miocene, Azerbaidjan SSR, **Pobedina,** V. M., **Voroshilova,** A. G., **Ruibina,** O. I. & **Kuznetzova,** Z. V.

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Vaginulinopeis hutchinsoni (p. 41); *V. mokauensis* (p. 42); *V. clifdenensis* (p. 42) **spp. n.** Miocene, New Zealand, **Hornibrook,** N. de B.; *V. instabilis micra* (p. 25) **var. n.** Jurassic, India, **Subbotina** & **Datta** *in* **Subbotina,** N. N., **Datta,** A. K. & **Srivastava,** B. N.; *V. reddingensis* (p. 318) **sp. n.** Cretaceous, California, **Trujillo,** E. F.

Valvulammina ratnovskajae (p. 24) **sp. n.** Western Siberia, Hauterivian to Barremian, **Kuzina,** V. I. *in* **Bykova,** N. K. *et al.*

Valvulina lobata (p. 336) **sp. n.** Jurassic, Germany, **Seibold, E. & Seibold, I. (3)**; *V. nammalensis* (p. 47) **sp. n.** Eocene, W. Pakistan, **Haque, A. F. M. M. (1)**; *V. porfiryevi* (p. 428) **sp. n.** Miocene, Russia, **Venglinsky, I. V. (4).**

Valvulinella latebrosa (p. 27) **sp. n.** Russia, Carboniferous, **Dain, L. G.** *in* **Bykova, N. K.** *et al.*

Valvulineria agdjakendensis (p. 64) **sp. n.** Cretaceous, Minor Caucasus, USSR, **Aliyulla, Kh. (1)**; *V. danvillensis nammalensis* (p. 160) **var. n.** *V. hillsi* (p. 161); *V. patalaensis* (p. 162); *V. ranikotensis* (p. 162) **spp. n.** Palaeocene, W. Pakistan, **Haque, A. F. M. M. (1)**; *V. erugata* (p. 76); *V. undulata* (p. 76) **spp. n.** Cretaceous, W. Australia, **Belford, D. J. (1)**; *V. ignorabilis* (p. 189) **sp. n.** Oligocene, Pre-Carpathians, USSR, **Subbotina, N. N. (4)**; *V. iphigenia* (p. 92) **sp. n.** Crimea, Palaeogene, **Samoilova, R. B.**; *V. lagaensis* (p. 58); *V. tessieri* (p. 58) **spp. n.** Palaeocene, Ivory Coast, **Lys, M. (2)**; *V. marianosi* (p. 329) **sp. n.** Cretaceous, California, **Trujillo, E. F.**; *V. marmaroschensis* (p. 296) **sp. n.** Miocene, Ukraine, **Pischvanova, L. S. (1)**; *V. stachei* (p. 110) **sp. n.** Eocene, New Zealand, **Hornibrook, N. de B.**

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Virgulopsis reticulata (p. 79); *V. junior* (p. 79); *V. costata* (p. 80) **spp. n.** Miocene, New Zealand, **Hornibrook, N. de B.**

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Woodella **gen. n.** (p. 194) of Anomalinidae, type sp. *W. granosa* (p. 195); *W. nammalensis* (p. 195) **spp. n.** Palaeocene, W. Pakistan, **Haque, A. F. M. M. (1).**

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Anthocyrtella Haeckel 1887, next valid name available pro *Anthocyrtis* Ehrenberg 1847, non Ehrenberg (Jan.) 1847, type sp. *A. mespilus* Ehrenberg 1854, **Loeblich, A. R. & Tappan, H. (7).**

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Campbellella **nom. nov.** (p. 230) pro *Aulonia* Haeckel 1887 non Koch 1847, type sp. *A. hexagonia* Haeckel 1887, **Loeblich, A. R. & Tappan, H. (7).**

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Cenellipsis scrupulus (p. 278) ; *C. (?) falsus* (p. 278) **spp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5)** ; *C. torosa* (p. 310) **sp. n.** Miocene, Sakhalin, **Kozlova, G. E.**

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Cenolarcus usitatus (p. 314) **sp. n.** Miocene, Sakhalin, **Kozlova, G. E.**

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Challengeriacea Murray 1876, *nom. correct.* (p. 231), **Loeblich, A. R. & Tappan, H. (7).**

Chaunosphaera **nom. nov.** (p. 222) pro *Porosphaera* Haeckel 1887 non Steinmann 1878 (subgenus of *Cenosphaera* Ehrenberg 1854), type sp. *Cenosphaera primordialis* Haeckel 1887, **Loeblich, A. R. & Tappan, H. (7).**

Clathrocyclas (*Clathrocyclas*) *irrasa* **sp. n.** (p. 75) Cretaceous, Wyoming, **Eicher, D. L.**

Coccodiscacea Haeckel 1862, *nom. transf.* (p. 224) ex Cenodiscilacea Haeckel 1887 (?), **Loeblich, A. R. & Tappan, H. (7).**

Coccodiscilae Haeckel 1862, *nom. transf.* (p. 224) ex Cenodiscilae Haeckel 1887, **Loeblich, A. R. & Tappan, H. (7).**

Conosphaera stillaformis (p. 47) **sp. n.** [in a table] Siberia, Palaeogene, **Lipman, R. Kh. (2).**

Cornutella fimbriata (p. 295) **sp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5).**

Cromyodruppa vilis (p. 310) **sp. n.** Miocene, Sakhalin, **Kozlova, G. E.**

Cryptocephalus Haeckel 1881, see *Dictyoprora*, **Loeblich, A. R. & Tappan, H. (7).**

Cyphanta Haeckel 1887, see *Cyphantella*, **Loeblich, A. R. & Tappan, H. (7).**

Cyphantella Haeckel 1887, replaces (p. 223) *Cyphanta* Haeckel 1887 [homonym of *Cyphanta* Walker 1865], **Loeblich, A. R. & Tappan, H. (7).**

Cyphantellidae (p. 223) *nom. subs.* pro Cyphantidae Campbell in Moore 1954, type-genus *Cyphantella* Haeckel 1887, **Loeblich, A. R. & Tappan, H. (7).**

Cyphantidae Campbell in Moore 1954, see Cyphantellidae, **Loeblich, A. R. & Tappan, H. (7).**

Cyrtocalpis (?) derosa (p. 316) **sp. n.** Miocene, Sakhalin, **Kozlova, G. E.** ; *C. fabaeformis* (p. 296) **sp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5)** ; *C. sacculus* (p. 233) **sp. n.** Miocene, Pre-Carpathians, USSR, **Subbotina, N. N. (4).**

Cyrtocapsa ambiferia (p. 66) **sp. n.** Cretaceous, Azerbaidjan SSR [as *ambifaria* (p. 64), (p. 66) and (p. 72)], **Aliev, Kh. Sh. (2).**

Cyrtocoris Haeckel 1881 (subgen. of *Anthocorys*), see *Cyrtocorys*, **Loeblich, A. R. & Tappan, H. (7).**

Cyrtocorys Haeckel 1887, pro *Cyrtocoris* Haeckel 1881 (subgen. of *Anthocorys* Haeckel 1881) non White 1842, type sp. *Phormocampe mitra* Haeckel 1887, **Loeblich, A. R. & Tappan, H. (7).**

Deflandrella **nom. nov.** (p. 227) pro *Campylacantha* Jörgensen 1905 in Nordgaard & Jörgensen non Scudder 1897, type sp. *C. cladophora* Jörgensen 1905, **Loeblich, A. R. & Tappan, H. (7).**

Dicolocapsa pupoides (p. 234) ; *D. bicamerata* (p. 235) ; *D. piriformis* (p. 235) ; **spp. n.** Miocene, Pre-Carpathians, USSR, **Subbotina, N. N. (4).**

Dictyocephalus Ehrenberg 1861, see *Dictyocryphalus*, **Loeblich, A. R. & Tappan, H. (7).**

Dictyoceras Haeckel 1862, see *Lipmanella*, **Loeblich, A. R. & Tappan, H. (7).**

Dictyocryphalus Haeckel 1887, next available name pro *Dictyocephalus* Ehrenberg 1861 non Leidy 1857, type sp. *D. obtusus* Ehrenberg 1861, **Loeblich, A. R. & Tappan, H. (7).**

Dictyomitra cellulata (p. 236) **sp. n.** Miocene, Pre-Carpathians, USSR, **Subbotina, N. N. (4)**; *D. clivosa* (p. 54); *D. margarita* (p. 55); *D. ferosia* (p. 55) **spp. n.** *D. f. kelevudacica* (p. 56) **var. n.** *D. konachkendiensis* (p. 57) [as *konacncendica* (p. 52); as *konaphkendica* (p. 64)]; *D. producta* (p. 58); *D. disparlita* (p. 59) **spp. n.** *D. d. opstupida* (p. 60) **var. n.** *D. policamerata* (p. 61) *D. malleola* (p. 62) **spp. n.** Cretaceous, Azerbaidjan SSR, **Aliev, Kh. Sh. (1).**

Dictyoprora Haeckel 1881, includes forms previously in *Cryptocephalus* Haeckel 1881 non Geoffroy 1762 non van Beneden 1849, type sp. *Sethamphora hexapleura* Haeckel 1887, **Loeblich, A. R. & Tappan, H. (7).**

Discospira Haeckel 1862 (subgen. of *Flustrella*), see *Discospirella*, **Loeblich, A. R. & Tappan, H. (7).**

Discospirella **nom. nov.** (p. 226) pro *Discospira* Haeckel 1862 (subgen. of *Flustrella* Ehrenberg 1839) non Mantell 1850 non Semper 1862, type sp. *Discospira helicoides* Haeckel 1862, **Loeblich, A. R. & Tappan, H. (7).**

Distriactis (?) *hexagona* (p. 142) **sp. n.** Palaeogene, Turkestan, **Lipman, R. Kh. (1).**

Dorylonchidium pretiosum (p. 275) **sp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5).**

Echinosphaera Hertwig 1879, is a homonym of Angelin 1878, see under *Trizonium*, **Loeblich, A. R. & Tappan, H. (7).**

Ellipsidiicae Campbell in Moore 1954, see Sponguracea, **Loeblich, A. R. & Tappan, H. (7).**

Ellipsidium (?) *mendosum* (p. 281) Eocene, Russia, **sp. n., Krasheninnikov, V. A. (5).**

Ellipsostylus russiensis (p. 279); *E. ancorarius* (p. 279); *E. inclarus* (p. 280); *E. mirus* (p. 281) **spp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5).**

Ethmosphaeracea Haeckel 1862 *nom. transf.* (p. 221) ex Liosphaeracea, **Loeblich, A. R. & Tappan, H. (7).**

Ethmosphaeridae Haeckel 1862 *nom. transf.* (p. 221) ex Liosphaeridae Haeckel 1881, **Loeblich, A. R. & Tappan, H. (7).**

Eucadium Ehrenberg 1872, type designated (p. 232) as *Difflugia* (*Lirella*) *seriata* Ehrenberg 1872 [in synonymy of *Lirella* Ehr. 1872], **Loeblich, A. R. & Tappan, H. (7).**

Eucyrtidium septatum (p. 155) **sp. n.** Eocene, Asia, **Lipman, R. Kh. (1).**

Genodiscus lenticularis (p. 141) **sp. n.** Eocene, Asia, **Lipman, R. Kh. (1).**

Hagiastrum ignorabilis (p. 291) **sp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5).**

Heliodiscus lentis (p. 47) **sp. n.** [in a table] Palaeogene, Siberia, **Lipman, R. Kh. (2).**

Heteracantha Mast 1910, see *Anomalacantha*, **Loeblich, A. R. & Tappan, H. (7).**

Heterosoma Mast 1910, see *Anomalosoma*, **Loeblich, A. R. & Tappan, H. (7).**

Laracarida Haeckel 1887, see Litheliacea, **Loeblich, A. R. & Tappan, H. (7).**

Lipmanella **nom. nov.** (p. 229) pro *Dictyoceras* Haeckel 1862 non Eichwald 1860, type sp. *Lithornithium dictyoceras* Haeckel 1860, **Loeblich, A. R. & Tappan, H. (7).**

Lirella baileyi (type sp. of *Lirella* Ehrenb. 1872) =objective synonym of *Cadium marinum*, Bailey 1856, **Loeblich, A. R. & Tappan, H. (7).**

Lirellidae Loeblich & Tappan (p. 231) *nom. subst.* pro Cadiidae Borgert 1910, **Loeblich, A. R. & Tappan, H. (7).**

Lithatractus birostratus (p. 139) **sp. n.** Palaeogene, Asia, **Lipman, R. Kh. (1).**

Litheliacea Haeckel 1862, *nom. transf.* (p. 226) ex Laracarida Haeckel 1887, **Loeblich, A. R. & Tappan, H. (7).**

Lithocampe turgida (p. 301) **sp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5).**

Lithomitra turriformis (p. 239) **sp. n.** Miocene, Pre-Carpathians, USSR, **Subbotina, N. N. (4).**

Lychnocanium laesum (p. 317) **sp. n.** Miocene, Sakhalin, **Kozlova, G. E.**

Obeliscus Popofsky 1913, see *Talariscus*, **Loeblich, A. R. & Tappan, H. (7).**

Ommatodiscilae Stöhr 1880, *nom. transf.* (p. 225) ex Trematodiscida Haeckel 1862, **Loeblich, A. R. & Tappan, H. (7).**

Paracenodiscus **gen. n.** (p. 284) of Cenodiscidae, type sp. *P. familiaris* (p. 284); *P. sonatus* (p. 285); *P. circumtextus* (p. 285); **spp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5).**

Perispira Haeckel 1881 (subgen. of *Flustrella*), see *Perispirella*, **Loeblich, A. R. & Tappan, H. (7).**

Perispirella (p. 226) **nom. nov.** pro *Perispira* Haeckel 1881 (subgen. of *Flustrella* Ehrenberg 1839) non Stein 1859, type sp. *Porodiscus perispira* Haeckel 1887, **Loeblich, A. R. & Tappan, H. (7).**

Plagoniacea Haeckel 1881, *nom. correct.* (p. 227) ex Plagonida Haeckel 1881 (?), **Loeblich, A. R. & Tappan, H. (7).**

Plectophora Haeckel 1881, see *Plectophorina*, **Loeblich, A. R. & Tappan, H. (7).**

Plectophorina **nom. nov.** (p. 227) pro *Plectophora* Haeckel 1881 non Gray 1835, type sp. *Plectophora triomma* Haeckel 1881, **Loeblich, A. R. & Tappan, H. (7).**

Podocyrtis hirsutus (p. 300) **sp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5).**

Porodiscus delicatulus (p. 143); *P. turgaicus* (p. 144) **spp. n.** Eocene, Asia, **Lipman, R. Kh. (1)**; *P. intentatus* (p. 311) **sp. n.** Miocene, Sakhalin, **Kozlova, G. E.**; *P. nummuluformis* (p. 290) **sp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5)**; *P. uralicus* (p. 47) **sp. n.** [in a table] Palaeogene, Siberia, **Lipman, R. Kh. (2).**

Porosphaera Haeckel 1887 (subgen. of *Cenosphaera* Ehrenberg 1854) see *Chaunosphaera*, **Loeblich,** A. R. & **Tappan,** H. (7).

Pseudostaurosphaera **gen. n.** (p. 276) of Staurosphaeridae, type sp. *P. perelegans* (p. 276) **sp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5).

Rhizoplectopsis **gen. n.** (p. 342) Familia Incerta, Plectoidea ; type sp. *R. baltica* (p. 342) **sp. n.** Cretaceous, Denmark, **Wetzel,** O.

Sethocyrtis multiplicatus (p. 47) **sp. n.** [in a table] Palaeogene, Siberia, **Lipman,** R. Kh. (2).

Sethophatnidae Haeckel 1881, *nom. correct.* (p. 228) ex Sethophormida Haeckel 1881 (based on *Sethophormis* Haeckel 1887, synonym of *Tetraphormis* Haeckel 1881), **Loeblich,** A. R. & **Tappan,** H. (7).

Sethophormida Haeckel 1881, see Sethophatnidae, **Loeblich,** A. R. & **Tappan,** H. (7).

Sethopyramis lucerna (p. 298) **sp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5) ; *S. scalariformis* (p. 152) **sp. n.** Eocene, Asia, **Lipman,** R. Kh. (1) ; *S. victori* (p. 47) **sp. n.** [in a table] Palaeogene, Siberia, **Lipman,** R. Kh. (2).

Spiremaria **gen. n.** (p. 315) of Lithelidae, type sp. *S. decens* (p. 315) ; *S. fragosa* (p. 316) **spp. n.** Miocene, Sakhalin, **Kozlova,** G. E.

Spongasteriscus gorskii (p. 151) **sp. n.** Eocene, Asia, **Lipman,** R. Kh. (1).

Spongodiscus delenitor (p. 47) **sp. n.** [in a table] Siberia, Palaeogene, **Lipman,** R. Kh. (2) ; *S. multicavus* (p. 311) ; *S. conspectus* (p. 312) ; *S. bulla* (p. 312) ; *S. serratus* (p. 313) ; *S. enodatus* (p. 313) ; *S. tritus* (p. 314) **spp. n.** Miocene, Sakhalin, **Kozlova,** G. E. ; *S. obsoletus* (p. 292) ; *S. modestus* (p. 292) ; *S. praecipius* (p. 293) **spp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5) ; *S. umbonatus* (p. 148) ; *S. concentricus* (p. 149) ; *S. spongiosus* (p. 149) **spp. n.** Asia, Palaeogene, **Lipman,** R. Kh. (1).

Sponguracea Haeckel 1862 *nom transf.* (p. 223) ex Ellipsidiicae Campbell in Moore 1954, **Loeblich,** A. R. & **Tappan,** H. (7).

Spongurus biconstrictus (p. 140) **sp. n.** Eocene, Asia, **Lipman,** R. Kh. (1) ; *S. saxeus* (p. 282) ; *S. illepidus* (p. 283) **spp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5).

Staurodiscus **gen. n.** (p. 289) of Cenodiscidae, type sp. *S. primus* (p. 289) **sp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5).

Stephaniicae Campbell in Moore 1954, see Acanthodesmiacea, **Loeblich,** A. R. & **Tappan,** H. (7).

Stichocapsa arca (p. 67) **sp. n.** *S. arca cenomanica* (p. 68) **var. n.** [as *arca* (p. 68)] ; *S. hemisphaera* (p. 68) [as *hemisphaerium* (p. 72)] ; *S. khaltanensis* (p. 69) ; **spp. n.** *S. k. nardaranica* (p. 70) **var. n.** Cretaceous, Azerbaidjan SSR, **Aliev,** Kh. Sh. (2).

Stichoperida Haeckel 1881, see Stichoperilae, **Loeblich,** A. R. & **Tappan,** H. (7).

Stichoperidae Haeckel 1881, *nom. transf.* (p. 229), **Loeblich,** A. R. & **Tappan,** H. (7).

Stichoperilae Haeckel 1881, *nom. transf.* (p. 229) ex Stichoperida Haeckel 1881, **Loeblich,** A. R. & **Tappan,** H. (7).

Stylodictya tschujenkoi (p. 145) ; *S. zonata* (p. 146) **spp. n.** Asia, Palaeogene, **Lipman,** R. Kh. (1).

Stylodiscus clandestinus (p. 288) **sp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5).

Stylotrochus nativus (p. 47) ; *S. paciferum* (p. 47) ; **spp. n.** [in a table] Palaeogene, Siberia, **Lipman,** R. Kh. (2) ; *S. pinnatus* (p. 294) **sp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5) ; *S. polygonus* (p. 150) **sp. n.** Asia, Palaeogene, **Lipman,** R. Kh. (1).

Talariscus **nom. nov.** (p. 227) pro *Obeliscus* Popofsky 1913 non Beck 1837, non Agassiz 1845, type sp. *O. pseudocuboides* Popofsky 1913, **Loeblich,** A. R. & **Tappan,** H. (7).

Tetracanthus Popofsky 1907, see *Tetracina*, **Loeblich,** A. R. & **Tappan,** H. (7).

Tetracina **nom. nov.** (p. 221) pro *Tetracanthus* Popofsky 1907, non Hemprich & Ehrenberg 1866 in Schneider, type sp. *T. simplex* Popof. 1907, **Loeblich,** A. R. & **Tappan,** H. (7).

Thalassosphaeridae Haeckel 1862, see Thallasso sphaeracea, **Loeblich,** A. R. & **Tappan,** H. (7).

Thallassosphaeracea Haeckel 1862, *nom. correct.* (p. 221) pro Thalassosphaeridae Haeckel 1862, **Loeblich,** A. R. & **Tappan,** H. (7).

Thecosphaera triglobulata (p. 136) **sp. n.** Palaeogene, Asia, **Lipman,** R. Kh. (1).

Theocampe castigata (p. 299) **sp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5).

Theocorys kryschtofovichi (p. 153) **sp. n.** Eocene, Asia, **Lipman,** R. Kh. (1) ; *T. unicum* (p. 48) **sp. n.** [in a table] Palaeogene, Siberia, **Lipman,** R. Kh. (2).

Toxidiella **nom. nov.** (p. 228) pro *Toxidium* (subgen. of *Toxarium* Haeckel 1887) Haeckel 1887 non Leconte 1860, type sp. *Toxidium cordatum* Haeckel 1887, **Loeblich,** A. R. & **Tappan,** H. (7).

Toxidium Haeckel 1887 (subgen. of *Toxarium*), see *Toxidiella*, **Loeblich,** A. R. & **Tappan,** H. (7).

Trematodiscida Haeckel 1862, see Ommatodiscilae, **Loeblich,** A. R. & **Tappan,** H. (7).

Triactiscus Haeckel 1887, see *Triactoma*, **Loeblich,** A. R. & **Tappan,** H. (7).

Triactoma Rüst 1885, has priority over *Triactiscus* Haeckel 1887, **Loeblich,** A. R. & **Tappan,** H. (7).

Triadiscus **gen. n.** (p. 290) of Cenodiscidae, type sp. *T. caucasicus* (p. 290) **sp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5).

Tricolocampe vitrea (p. 298) **sp. n.** Eocene, Russia, **Krasheninnikov,** V. A. (5).

Tricolocapsa pagodiformis (p. 154) **sp. n.** Eocene, Asia, **Lipman,** R. Kh. (1).

Trizonium Haeckel 1887, next available valid name pro *Echinosphaera* Hertwig 1879 non Angelin 1878, type sp. *E. datura* Hertwig 1879, **Loeblich,** A. R. & **Tappan,** H. (7).

Trochodiscus exilis (p. 286) ; *T.* (*?*) *sagittipotens* (p. 287) ; *T. exornatus* (p. 288) **spp. n.** Eocene, Russia, **Krasheninnikov, V. A. (5)** ; *T. hoplites* (p. 141) **sp. n.** Palaeogene, Turkestan, **Lipman,** R. Kh. **(1)** ; *T. paleogenicus* (p.47) **sp. n.** [in a table] Siberia, Palaeogene, **Lipman,** R. Kh. **(2).**

Xiphosphaera micra (p. 47) ; *X. irinae* (p. 47) **spp. n.** [in a table] Palaeogene, Siberia, **Lipman,** R. Kh. **(2).**

Acantharia.

Astrolonchacea Haeckel 1881 *nom. correct.* (p. 232), **Loeblich,** A. R. & **Tappan,** H. **(7).**

Dicranophora Schewiakoff 1926, see *Dipelicophora*, **Loeblich,** A. R. & **Tappan,** H. **(7).**

Dipelicophora **nom. nov.** (p. 232) pro *Dicranophora* Schewiakoff 1926 non Macquart 1834, type sp. *D. buetschlii* Schew. 1926, **Loeblich,** A. R. & **Tappan,** H. **(7).**

Dorataspacea Haeckel 1862, *nom. correct.* (p. 232), **Loeblich,** A. R. & **Tappan,** H. **(7).**

Doratasspidae Haeckel 1862, *nom. correct.* (p. 232) ex Doratasspida Haeckel 1862, **Loeblich,** A. R. & **Tappan,** H. **(7).**

Orophaspis Haeckel 1881, synonymy contains *Stegaspis* Haeckel 1881 non Germar 1833, type sp. *O. diporaspis* Haeckel 1887, **Loeblich,** A. R. & **Tappan,** H. **(7).**

Stegaspis Haeckel 1881, see *Orophaspis*, **Loeblich,** A. R. & **Tappan,** H. **(7).**

Mycetozoa.

Amaurochaetaceae Rostafinski 1873, see Amaurochaetinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Amaurochaetinae Rostafinski 1873 (p. 262), *nom. transl. ex* tribe Amaurochaetaceae Rostafinski 1873 [subfam. of Stemonitidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Arcyriaceae Rostafinski 1873, see Arcyriinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Arcyriei Schroeter 1886, see Arcyriinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Arcyriinae Rostafinski 1873 (p. 266) *nom. correct pro* subfam. Arcyriei Schroeter 1886 *nom. transl. ex* tribe Arcyriaceae Rostafinski 1873 [subfam. of Trichiidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Ceratiomyxacea McBride 1892 (p. 258) *nom. correct. pro* Ceratiomyxioidea Pavillard 1953, *nom. transl. ex* Ceratiomyxidae McBride 1892 [superfam. of Eumycetozoina], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Ceratiomyxidae McBride 1892, see Ceratiomyxacea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Ceratiomyxioidea Pavillard 1953, see Ceratiomyxacea, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Collodermaceae Lister & Lister 1925, see Collodermineae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Collodermineae Lister & Lister 1925 (p. 261), *nom. transl. ex* fam. Collodermaceae L. & L. 1925 [subfam. of Stemonitidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Cribrariaceae Rostafinski 1873, see Cribrariinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Cribrariinae Rostafinski 1873 (p. 265), *nom. transl. ex* tribe Cribrariaceae Rostafinski 1873 [subfam. of Liceidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Dianema Rex 1891, see *Dianemina*, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Dianemeae MacBride 1899, see Dianemininae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Dianemina **nom. nov.** (p. 266) pro *Dianema* Rex 1891, non Cope 1871, type sp. *Dianema harveyi* Rex 1891, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Dianemininae Loeblich & Tappan **subfam. n.** (p. 266) *nom. subst. et nom. transl. ex* fam. Dianemeae MacBride 1899 *nom. nud.* [subfam. of Trichiidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Didymiaceae Rostafinski 1873, see Didymiinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Didymiei Schroeter 1886, see Didymiinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Didymiinae Rostafinski 1873 (p. 260) *nom. correct. pro* subfam. Didymiei Schroeter 1886 *nom. transl. ex* tribe Didymiaceae Rostafinski 1873 [subfam. of Stemonitacea], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Guttulinacei Schroeter 1886, see Pocheinidae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Guttulinidae Doflein 1909, see Pocheinidae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Liceinae Fries 1821 (p. 265), *nom. transl. ex* fam. Liceoidei Fries 1821 [subfam. of Liceidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Liceoidei Fries 1821, see Liceinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Ligniera Maire & Tison 1911, should be used for species previously referred to *Sorosphaera* Schroeter 1886, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Lycogalaceae Rostafinski 1873, see Lycogalinae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Lycogalinae Rostafinski 1873 (p. 265), *nom. transl. ex* tribe Lycogalaceae Rostafinski 1873 [subfam. of Liceidae], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Plasmodiophoreae Berlese 1888, see Plasmodiophoridae, **Loeblich,** A. R. & **Tappan,** H. **(3).**

Plasmodiophoridae Berlese 1888 (p. 257), *nom. correct. pro* fam. Plasmodiophoreae Berlese 1888 [fam. of Plasmodiophorina], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Pocheina **nom. nov.** (p. 256) pro *Guttulina* Cienkowski 1873, type sp. *G. rosea* Cienk. 1873 [type genus of Pocheinidae **fam. n.**], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Pocheinidae **fam. n.** Loeblich & Tappan (p. 256) *nom. subst. pro* fam. Guttulinidae Doflein 1909, and fam. Guttulinacei Schroeter 1886, *nomina nuda* based on *Guttulina* Cienkowski 1873, non d'Orbigny 1839 [fam. of Sorophorina], **Loeblich,** A. R. & **Tappan,** H. **(3).**

Physarei Schroeter 1886, and Physarei Fries 1829, see Physarinae, **Loeblich**, A. R. & **Tappan**, H. (3).

Physarinae Fries 1829 (p. 260) *nom. correct. pro* subfam. Physarei Schroeter 1886 *nom. transl. ex* fam. Physarei Fries 1829 [subfam. of Stemonitacea], **Loeblich**, A. R. & **Tappan**, H. (3).

Reticulariaceae Rostafinski 1873, see Reticulariinae, **Loeblich**, A. R. & **Tappan**, H. (3).

Reticulariinae Rostafinski 1873 (p. 265), *nom. transl. ex* tribe Reticulariaceae Rostafinski 1873 [subfam. of Liceidae], **Loeblich**, A. R. & **Tappan**, H. (3).

Sorophora Minchin 1912, see Sorophorina, **Loeblich**, A. R. & **Tappan**, H. (3).

Sorophorina Lankester 1885 (p. 255), *nom. correct. pro* suborder Sorophora Minchin 1912 and order Sorophora Lankester 1885 [suborder of Mycetozoida], **Loeblich**, A. R. & **Tappan**, H. (3).

Stemonitacea Fries 1829 (p. 258), *nom. correct. pro* superfam. Stemonitidides Poche 1913, *nom. transl. ex* fam. Stemonitei Fries 1829 [superfam. of Eumycetozoina], **Loeblich**, A. R. & **Tappan**, H. (3).

Stemonitei Schroeter 1886 and Stemonitei Fries 1829, see Stemonitinae, Stemonitei Fries 1829, see also Stemonitacea, **Loeblich**, A. R. & **Tappan**, H. (3).

Stemonitidides Poche 1913, see Stemonitacea, **Loeblich**, A. R. & **Tappan**, H. (3).

Stemonitinae Fries 1829 (p. 262), *nom. correct. pro* subfam. Stemonitei Schroeter 1886, *nom. transl. ex* fam. Stemonitei Fries 1829 [subfam. of Stemonitidae], **Loeblich**, A. R. & **Tappan**, H. (3).

Trichiacea Fries 1821 (p. 262), *nom. correct. pro* superfam. Trichiides Poche 1913, *nom. transl. ex* fam. Trichocisti (Trichioidei) Fries 1821 [superfam. of Eumycetozoina], **Loeblich**, A. R. & **Tappan**, H. (3).

Trichiei Schroeter 1886, see Trichiinae, **Loeblich**, A. R. & **Tappan**, H. (3).

Trichiides Poche 1913, see Trichiacea, **Loeblich**, A. R. & **Tappan**, H. (3).

Trichiinae Fries 1821 (p. 266) *nom. correct. pro* subfam. Trichiei Schroeter 1886 *nom. transl. ex* fam. Trichocisti (Trichioidei) Fries 1821 [subfam. of Trichiidae], **Loeblich**, A. R. & **Tappan**, H. (3).

Trichocisti (Trichioidei) Fries 1821, see Trichiacea, and also Trichiinae, **Loeblich**, A. R. & **Tappan**, H. (3).

Tubifereae MacBride 1899, see Tubiferinae, **Loeblich**, A. R. & **Tappan**, H. (3).

Tubiferinae MacBride 1899 (p. 265), *nom. transl. ex* fam. Tubifereae MacBride 1899 [subfam. of Liceidae], **Loeblich**, A. R. & **Tappan**, H. (3).

MASTIGOPHORA

PHYTOMASTIGINA

Chrysomonadida.

Braarudosphaera africana (p. 118) **sp. n.** Eocene, Mexico, **Stradner**, H. *in* **Stradner**, H. & **Papp**, A.

Calyptrolithus morionum **cent. n.** (p. 147) Eocene, France, **Deflandre**, G. *in* **Deflandre**, G. & **Fert**, C.

Clathrolithus **gen. n.** (p. 168), type-species *C. ellipticus* **sp. n.** (p. 169) Eocene, California (? Coccolithophoridae), **Deflandre**, G. *in* **Deflandre**, G. & **Fert**, C.; *C. minutus* (p. 157) **sp. n.** Eocene, California, **Bramlette**, M. N. & **Sullivan**, F. R.; *C. spinosus* (p. 19) **sp. n.** Eocene, France, **Martini**, E. (2).

Coccolithites cribellum (p. 151) Eocene; *C. delus* (p. 151); *C. distichus* (p. 152) Palaeocene; *C. gammation* (p. 152) Eocene; *C. macellus* (p. 152) Palaeocene; **spp. n.** California, **Bramlette**, M. N. & **Sullivan**, F. R.

Coccolithophoridae in the Jurassic, Tertiary and Cretaceous, **Martini**, E. (3).

Coccolithus bidens (p. 139); *C. consuetus* (p. 139) Palaeocene; *C. crassus* (p. 139) Eocene; *C. eminens* (p. 139) Palaeocene; *C. expansus* (p. 139); *C. gigas* (p. 140); *C. solitus* (p. 140); *C. staurion* (p. 141) Eocene; **spp. n.** California, Tertiary, **Bramlette**, M. N. & **Sullivan**, F. R.

Cyclococcolithus quadriperforatus (p. 3626) **cent. n.** Carboniferous, USA, **Noël**, D.

Cyclolithus prionion Defl. & Fert **cent. n.** (p. 145) Tertiary, Haiti, **Deflandre**, G. *in* **Deflandre**, G. & **Fert**, C.; *C. ? robustus* (p. 141) **sp. n.** Palaeocene, California, **Bramlette**, M. N. & **Sullivan**, F. R.

Discoaster Tan Sin Hok 1927, revision of the genus, *D. stella* Ehrenberg *sens emend.* (p. 208) Elba; *D. brouweri* Tan Sin Hok *sens emend.* Bramlette & Riedel 1954 (p. 211) Cretaceous, Elba; *D. rotundus* **cent. n.** (p. 213) Brasses, Cretaceous; *D. stradneri* **cent. n.** (p. 215) Eocene, Oichtental; *D. bifidus* **cent. n.** (p. 216) Brasses, Cretaceous; *D. tumescens* **cent. n.** (p. 218) Oligocene, Marnes; *D. clavatus* **cent. n.** (p. 219) Miocene; *D. pentaradiatus* Tan Sin Hok *sens emend.* Bram. & Riedel 1954, Palaeocene, USSR, **Noël**, D. (2); *D. delicatus* (p. 159) Palaeocene; *D. diastypus* (p. 159); *D. elegans* (p. 159) Eocene; *D. falcatus* (p. 159); *D. helianthus* (p. 160); *D. lenticularis* (p. 160); *D. limbatus* (p. 160); *D. mediosus* (p. 161) Palaeocene; *D. sublodoensis* (p. 162) Eocene; **spp. n.** California, **Bramlette**, M. N. & **Sullivan**, F. R.; *D. (?) furcatus* **cent. n.** (p. 168) Cretaceous, France, **Deflandre**, G. *in* **Deflandre**, G. & **Fert**, C.; *D. perpolitus* (p. 9) Palaeocene, *D. stradneri* (p. 10) Eocene, *D. nobilis* (p. 11) Palaeocene, *D. monstratus* (p. 12) Eocene, **spp. n.**, France, **Martini**, E. (2); *D. splendidus* (p. 80); *D. diversus* (p. 80) **spp. n.** Eocene, Germany, **Martini**, E. (1); *D. stella decorus* **var. n.** (p. 359), *D. rotundus* (p. 362), *D. solidus* (p. 366), *D. bifidus* (p. 366), *D. nivalis* (p. 369) all **cent. n.** Eocene, Algeria, **Manivit**, H.; *D. strictus* (p. 65) Mexico; *D. gemmifer* (p. 69) Austria; *D. munitus* (p. 74) Mexico; *D. bronnimanni* (p. 76) Mexico; *D. trinus*

(p. 79) Austria ; Eocene **spp. n.** *D.* (*Gyro-Discoaster*) **subgen. n.** (p. 88) subgenotype *D. saipanensis* Bramlette & Riedel 1954, **Stradner,** H. *in* **Stradner,** H. & **Papp,** A.

Discoasteroides **gen. n.** (p. 163) of Incertae Sedis, type sp. *Discoaster kuepperi* Stradner 1959 ; *D. megastypus* (p. 163) **sp. n.** Palaeocene, California, **Bramlette,** M. N. & **Sullivan,** F. R.

Discolithus decussatus (p. 344), *D. noeli* (p. 345), *D. glaconi* (p. 345), *D. furcatus* (p. 346), *D. stellatus* (p. 346), **cent. n.** Eocene, Algeria, all **cent. n., Manivit,** H. ; *D. distinctus* (p. 141) ; *D. duocavus* (p. 141) ; *D. exilis* (p. 142) ; *D. fimbriatus* (p. 142) ; *D. ocellatus* (p. 142) ; *D. pectinatus* (p. 142) ; *D. planus* (p. 143) ; *D. punctosus* (p. 143) Eocene ; *D. rimosus* (p. 143) Palaeocene ; *D. versus* (p. 144) Eocene ; **spp. n.** California, **Bramlette,** M. N. & **Sullivan,** F. R. ; *D. lineatus* Defl. **cent. n.** (p. 137), *D. simillimus* Defl. & Fert **cent. n.** (p. 138) Mio-Pliocene, Algeria ; *D. cocconeis* Defl. **cent. n.** (p. 138), *D. macroporus* Defl. **cent. n.** (p. 138), *D. oamaruensis* Defl. **cent. n.** (p. 139), *D. radiatus* Defl. **cent. n.** (p. 139),*D. obliquipons* Defl. **cent. n.** (p. 139), *D. fenestratus* Defl. & Fert **cent. n.** (p. 139), *D. cribum* Defl. & Fert **cent. n.** (p. 140), *D. dictyodus* Defl. & Fert **cent. n.** (p. 140), Oligocene, New Zealand ; *D. alimaniensis* Defl. & Fert **cent. n.** (p. 141) Oligocene, France ; *D. panarium* Defl. **cent. n.** (p. 141), *D. solidus* Defl. **cent. n.** (p. 141), *D. pulcher* Defl. **cent. n.** (p. 142), *D. tectus* Defl. **cent. n.** (p. 142), Eocene, France ; *D. parvidentatus* Defl. & Fert **cent. n.** (p. 143), *D. surirella* Defl. & Fert **cent. n.** (p. 144), Cretaceous, France ; *D. ponticulus* Defl. **cent. n.** (p. 144), Cretaceous, Poland ; *D. crassus* Defl. **cent. n.** (p. 144) Jurassic, France ; *D. cancer* Defl. **cent. n.** (p. 144) Lias, Hungary, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C.

Eodiscoaster (p. 8) **gen. n.** of Discoasteridae, type-species *E. danicus* (p. 9) **sp. n.** Cretaceous, France, **Martini,** E. **(2).**

Gyro-Discoaster **subgen. n.** (p. 88) of *Discoaster* q.v., **Stradner,** H. *in* **Stradner,** H. & **Papp,** A.

Helicosphaera seminulum (p. 144) **sp. n.** *H. s. seminulum* (p. 144) **subsp. n.** *H. s. lophota* (p. 144) **subsp. n.** Eocene, California, **Bramlette,** M. N. & **Sullivan,** F. R.

Heliolithus **gen. n.** (p. 164) of Incertae Sedis, type sp. *H. riedeli* (p. 164) **sp. n.** Palaeocene, California (? Coccolithophoridae), **Bramlette,** M. N. & **Sullivan,** F. R.

Isthmolithus **gen. n.** (p. 169) type-species *I. recurvus* **sp. n.** (p. 169) Oligocene, New Zealand (? Coccolithophoridae), **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C. ; *I. unipons* (p. 165) **sp. n.** Eocene, California, **Bramlette,** M. N. & **Sullivan,** F. R.

Lophodolithus **manip. n.** (p. 146) of Coccolithophoridae, type *L. mochlophorus* **cent. n.** (p. 147) Eocene, France, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C. ; *L. nascens* (p. 145) ; *L. reniformis* (p. 145) Eocene, California, **Bramlette,** M. N. & **Sullivan,** F. R.

Marthasterites robustus **comb. n.** (p. 109) pro *M. tribrachiatus robustus* Stradner 1959, Austria, Palaeocene, **Stradner,** H. *in* **Stradner,** H. & **Papp,** A.

Micrantholithus angulosus (p. 122) **comb. n.** pro *M. flos angulosus* Stradner 1959, Eocene, Mexico, **Stradner,** H. *in* **Stradner,** H. & **Papp,** A. ; *M. attenuatus* (p. 154) Eocene ; *M. concinnus* (p. 155) ; *M. crenulatus* (p. 155) ; *M. entaster* (p. 155) ; *M. pinguis* (p. 155) ; *M. truncus* (p. 155) **spp. n.** Palaeocene, California, **Bramlette,** M. N. & **Sullivan,** F. R. ; *M. bramlettei* **sp. n.** (p. 167) Eocene, California, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C. ; *M. inaequalis* (p. 7) Eocene, *M. fornicatus* (p. 7) Cretaceous, **spp. n.** France, **Martini,** E. **(2).**

Mitrolithus **manip. n.** (p. 148) of Coccolithophoridae, type *M. elegans* **cent. n.** (p. 148) Jurassic, France, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C.

Parhabdolithus marthae **cent. n.** (p. 163) Jurassic, France, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C.

Pemma acutum (p. 8) **sp. n.** Eocene, France, **Martini,** E. **(2).**

Polycladolithus **gen. n.** (p. 170) type-species *P. operosus* **sp. n.** (p. 170) Oligocene, New Zealand (? Coccolithophoridae), **Deflandre,** G. *in* **Deflandre,** G.. & **Fert,** C.

Pyxolithus **gen. n.** (p. 170) type-species *P. problematicus* **sp. n.** (p. 171) Jurassic, France (? Coccolithophoridae), **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C.

Rhabdolithus costatus **cent. n.** (p. 157), *R. rectus* **cent. n.** (p. 157) Oligocene, New Zealand ; *R. creber* **cent. n.** (p. 157), *R. vitreus* **cent. n.** (p. 157), *R. scabrosus* **cent. n.** (p. 158), *R. pinguis* **cent. n.** (p. 158), Eocene, France ; *R. striatus* **cent. n.** (p. 159), *R. intercisus* **cent. n.** (p. 159) Cretaceous, France ; *R. sceptrum* **cent. n.** (p. 159), *R. clavatus* **cent. n.** (p. 160), *R. superbus* **cent. n.** (p. 160), *R. inconspicuus* **cent. n.** (p. 160), *R. imbut* **cent. n.** (p. 160), *R. annulatus* **cent. n.** (p. 162), *R. patulus* **cent. n.** (p. 162), Jurassic, France, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C.

Rhabdosphaera inflata (p. 146) ; *R. ? rudis* (p. 146) ; *R. ? semiformis* (p. 147) ; *R. tenuis* (p. 147) ; *R. truncata* (p. 147) **spp. n.** Eocene, California, **Bramlette,** M. N. & **Sullivan,** F. R.

Scapholithus **manip. n.** (p. 164) of Calciosolenidae, type *S. fossilis* **cent. n.** (p. 165) Mio-Pliocene, Algeria, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C.

Scyphosphaera halldali **sp. n.** (p. 137), Mio-Pliocene, Algeria, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C.

Stephanolithion speciosum **sp. n.** (p. 146) Jurassic, France, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C.

Tetralithus nitidus (p. 4) Eocene, *T. murus* (p. 4), *T. descriptus* (p. 5) Cretaceous **spp. n.** S.W. France, **Martini,** E. **(2)** ; *T. quadratus* (p. 125) **sp. n.** Austria, Palaeocene, **Stradner,** H. *in* **Stradner,** H. & **Papp,** A.

Tremalithus foliatus (p. 3626) **cent. n.** Carboniferous, USA, **Noël,** D. **(1)** ; *T. oamaruensis* Defl. **cent. n.** (p. 154) Oligocene, New Zealand ; *T. parvulus* Defl. & Fert **cent. n.** (p. 154) Eocene, France, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C. ; *T. siliquaeformis* (p. 350) **cent. n.** Eocene, Algeria, **Manivit,** H.

Trochastrites **gen. n.** (p. 114) of Discoasteroideae [reference to *Trochastrites* gen. n. Stradner, Vorkommen v. Nannofoss., Erdoelzeitschr. Jg. 77 1961 : 86] type sp. *T. bramlettei* (Martini) **comb. n.** (p. 114) Eocene, Germany, **Stradner,** H. *in* **Stradner,** H. & **Papp,** A.

Zygodiscus **gen. n.** (p. 148) of Coccolithophoridae, type sp. *Z. adamas* (p. 148) Palaeocene ; *Z. plectopons* (p. 148) Eocene ; *Z. sigmoides* (p. 149) Palaeocene **spp. n.** California, **Bramlette,** M. N. & **Sullivan,** F. R.

Zygolithus chiastus (p. 149) ; *Z. distentus* (p. 150) ; *Z. junctus* (p. 150) ; *Z. protenus* (p. 150) **spp. n.** Palaeocene, California, **Bramlette,** M. N. & **Sullivan,** F. R. ; *Z. concinnus* (p. 18) **sp. n.** Palaeocene, France, **Martini,** E. (2) ; *Z. diplogrammus* **cent. n.** (p. 148) Mio-Pliocene, Algeria ; *Z. bijugatus* **cent. n.** (p. 148), *Z. tenansa* **cent. n.** (p. 149), Oligocene, New Zealand ; *Z. dubius* **cent. n.** (p. 149) Eocene, France ; *Z. turriseiffeli* **cent. n.** (p. 149) Cretaceous, England ; *Z. erectus* **cent. n.** (p. 150) Jurassic, France, **Deflandre,** G. *in* **Deflandre,** G. & **Fert,** C. ; *Z. repali* (p. 341) **cent. n.,** *Z. laffittei* (p. 343) **cent. n.** Eocene, Algeria, **Manivit,** H.

Zygrhablithus simplex (p. 151) **sp. n.** Palaeocene, California, **Bramlette,** M. N. & **Sullivan,** F. R.

Dinoflagellata.

Key to Dinoflagellata (after Chatton & Deflandre in Grassé 1952), **Eisenack,** A. (1) ; Evidence presented that many post-Palaeozoic hystrichospheres are dinoflagellate cysts, **Evitt,** W. R. (2).

Amphidiadema **gen. n.** (p. 4) of Deflandreidae, type sp. *A. denticulata* (p. 4) **sp. n.** Cretaceous, Australia, **Cookson,** I. C. & **Eisenack,** A. (1).

Ascodinium **gen. n.** (p. 5) of Deflandreidae, type sp. *A. acrophorum* (p. 5) ; *A. serratum* (p. 5) **spp. n.** *A. parvum* **comb. n.** (p. 5) pro *Deflandrea parva* Cookson & Eisenack 1958 ; Cretaceous, Australia, **Cookson,** I. C. & **Eisenack,** A. (1).

Broomea jaegeri (p. 26) ; *B. pellifera* (p. 26) Barremian ; *B. exigua* (p. 26) Hauterivian ; *B. gochti* (p. 27) Valendinian ; *B. ? longicornuta* (p. 27) Barremian ; *B. ? tricornoides* (p. 28) Hauterivian ; Germany, **spp. n., Alberti,** G.

Canningia rotundata (p. 72) **sp. n.** Cretaceous, Australia, **Cookson,** I. C. & **Eisenack,** A. (2).

Cantulodinium **gen. n.** (p. 23) of Dinoflagellata Incertae Sedis, type sp. *C. speciosum* **sp. n.** (p. 23) Valendinian, Germany, **Alberti,** G.

Circulodinium **gen. n.** (p. 28) of Dinoflagellata Incertae Sedis, type sp. *C. hirtellum* (p. 28) Hauterivian ; *C. deflandrei* (p. 29) Barremian ; **spp. n.** Germany, **Alberti,** G.

Dapcodinium **gen. n.** (p. 996) of Peridiniales, type sp. *D. priscum* (p. 996) **sp. n.** Lias, Denmark, **Evitt,** W. R. (3).

Deflandrea belfastensis (p. 71), *D. thomasi* (p. 71) **spp. n.** Cretaceous, Australia, **Cookson,** I. C. & **Eisenack,** A. (2) ; *D. minor* (p. 2) ; *D. echinoidea* (p. 2) ; *D. tripartita* (p. 2) ; *D. micracantha* (p. 3) ; *D. macrocysta* (p. 3) **spp. n.** Cretaceous, Australia, **Cookson,** I. C. & **Eisenack,** A. (1) ; *D. phosphoritica australis* (p. 39) **subsp. n.** Tertiary, Rottnest Is., **Cookson,** I. C. & **Eisenack,** A. (3).

Diplotesta krutzschi (p. 21) **sp. n.** Barremian, Germany, **Alberti,** G.

Emslandia **gen. n.** (p. 171) of Familia Incerta, type sp. *E. emslandensis* (p. 172) **sp. n.** Miocene, Germany, **Gerlach,** E.

Endoscrinium **subgen. n.** (p. 18) of *Scriniodinium* Klement 1957, q.v., **Klement,** K. W.

Gardodinium **gen. n.** (p. 18) of Dinoflagellata Incertae Sedis ; type sp. *G. eisenacki* (p. 18) **sp. n.** Barremian, Germany, **Alberti,** G.

Ginginodinium **gen. n.** (p. 7) of Incertae Familiae, type sp. *G. spinulosum* (p. 7) **sp. n.** Cretaceous, Australia, **Cookson,** I. C. & **Eisenack,** A. (1).

Gonyaulax acanthosphaera (p. 94) ; *G. arcolata* (p. 95) ; **spp. n.** Yorkshire, Jurassic, **Sarjeant,** W. A. S. (4) ; *G. cladophora hemipolyedrica* (p. 36) ; *G. c. extensa* (p. 36) ; *G. c. isovalvata* (p. 37) **subspp. n.** *G. crassicornuta* (p. 38) ; *G. granulata* (p. 39) ; *G. granuligera* (p. 41) ; *G. aculeata* (p. 42) ; *G. venusta* (p. 44) **spp. n.** Germany, Jurassic, **Klement,** K. W. ; *G. margaritifera* (p. 5) **sp. n.** Cretaceous, Australia, **Cookson,** I. C. & **Eisenack,** A. (1) ; *G. tenuitabulata* (p. 159) **sp. n.** Oligocene, Germany, **Gerlach,** E.

Gymnodinium denticulatum (p. 5) Senonian ; *G. dabendorfense* (p. 5) Valendinian ; *G. ventriosum* (p. 5) Turonian ; **spp. n.** Germany, **Alberti,** G.

Heliodinium **gen. n.** (p. 33) of Dinoflagellata Incertae Sedis, type sp. *H. voigti* (p. 33) **sp. n.** Barremian, Germany, **Alberti,** G.

Histiophora **gen. n.** (p. 51) of Incertae Sedis (? Dinoflagellata) type sp. *H. ornata* (p. 51) **sp. n.** Germany, Jurassic, **Klement,** K. W.

Hystrichodinium compactum (p. 15) Valendinian ; *H. ramoides* (p. 15) Barremian ; *H. furcatum* (p. 16) Hauterivian ; *H. ? parvum* (p. 16) Aptian **spp. n.** Germany, **Alberti,** G.

Kalyptea jurassica (p. 21) **sp. n.** Jurassic, Germany, **Alberti,** G.

Lejeunia **gen. n.** (p. 169) of Familia Incerta, type sp. *L. hyalina* (p. 169) **sp. n.** Oligocene, Germany, **Gerlach,** E.

Leptodinium **gen. n.** (p. 45) of Gonyaulacidae, type sp. *L. subtile* (p. 46) ; *L. arcuatum* (p. 48) ; *L. mirabile* (p. 48) **spp. n.** Germany, Jurassic, **Klement,** K. W. ; *L. maculatum* (p. 40) **sp. n.** Tertiary, Rottnest Is., **Cookson,** I. C. & **Eisenack,** A. (3) ; *L. membranigerum* (p. 162) **sp. n.** Oligocene, Germany, **Gerlach,** E.

Microdinium **gen. n.** (p. 6) of Incertae Familiae, type sp. *M. ornatum* **sp. n.** (p. 6) Cretaceous, Australia, **Cookson,** I. C. & **Eisenack,** A. (1).

Muderongia simplex (p. 12) ; *M. tomaszowensis* (p. 12) Valendinian ; *M. perforata* (p. 13) Turonian ; **spp. n.** Germany, **Alberti**, G.

Nannoceratopsis Deflandre 1938, emended (p. 306) ; *N. deflandrei* (p. 308) **sp. n.** Jurassic, Denmark ; *N. pellucida* Defl. 1938 emended (p. 312), **Evitt**, W. R. (**1**) ; *N. ? gracilis* (p. 30) **sp. n.** Jurassic, Germany, **Alberti**, G.

Nelsoniella **gen. n.** (p. 4) of Deflandreidae, type sp. *N. aceras* (p. 4) ; *N. tuberculata* (p. 4) ; *N. semireticulata* (p. 4) **spp. n.** Australia, Cretaceous, **Cookson**, I. C. & **Eisenack**, A. (**1**).

Netrelytron **gen. n.** (p. 113) [? Dinoflagellata] type sp. *N. stegastum* (p. 114) **sp. n.** Yorkshire, Jurassic, **Sarjeant**, W. A. S. (**4**).

Odontochitina costata (p. 31) **sp. n.** Cenomanian, Germany, **Alberti**, G.

Palaeocystodinium **gen. n.** (p. 20) of Dinoflagellata Incertae Sedis, type sp. *P. golzowense* Oligocene (p. 20), *P. ? denticulatum* (p. 20) Turonian, **spp. n.** Germany, **Alberti**, G.

Palaeohystrichophora paucispina (p. 19) Albian, **sp. n.** Germany, **Alberti**, G.

Pareodinia spinosa (p. 24) **sp. n.** Barremian, Germany, **Alberti**, G.

Pentadinium **gen. n.** (p. 164) of Familia Incerta (ex aff. Deflandreidae), type sp. *P. laticinctum* (p. 165), Oligocene ; *P. taeniagerum* (p. 167) ; Miocene ; **spp. n.** Germany, **Gerlach**, E.

Rottnestia **gen. n.** (p. 40) of Familia Incerta, type sp. *Hystrichosphaera borussica* Eisenack 1954, *R. simplicia* (p. 42) **sp. n.** Tertiary, Rottnest Is., **Cookson**, I. C. & **Eisenack**, A. (**3**).

Scriniodinium **subgen. n.** (p. 18) of *Scriniodinium* Klement 1957, subgenotype *S. crystallinum* (Deflandre 1938) ; *S.* (*Endoscrinium*) **subgen. n.** (p. 18) subgenotype *S. galeritum* (Defl. 1938) ; *S. galeritum fornicatum* (p. 25) **subsp. n.** *S. g. reticulatum* (p. 26) **subsp. n.** Germany, Jurassic, **Klement**, K. W. ; *S. galeatum* (p. 3) **sp. n.** Cretaceous, Australia, **Cookson**, I. C. & **Eisenack**, A. (**1**) ; *S. galeritum* (Deflandre 1938) **comb. n.** (p. 98) France, Jurassic, **Sarjeant**, W. A. S. (**4**).

Sirmiodinium **gen. n.** (p. 22) of Dinoflagellata Incertae Sedis, type sp. *S. grossi* (p. 22) **sp. n.** Barremian, Germany, **Alberti**, G.

Spongodinium ? solidum (p. 31) **sp. n.** Aptian, Germany, **Alberti**, G.

Svalbardella **gen. n.** of Dinoflagellata (p. 21), type sp. *S. cooksoniae* (p. 21) **sp. n.** Lower Tertiary, Spitzbergen, **Manum**, S.

Wetzeliella (*Wetzeliella*) *irtyschensis* (p. 8) Oligocene ; *W.* (*W.*) *parva* (p. 8) Eocene ; *W.* (*Rhombodinium*) *rhomboidea* (p. 10) Eocene ; *W.* (*R. ?*) *minuscula* (p. 10) Eocene ; **spp. n.** Germany, **Alberti**, G. ; *W. intermedia* (p. 40) **sp. n.** Tertiary, Rottnest Is., **Cookson**, I. C. & **Eisenack**, A. (**3**) ; *W. symmetrica incisa* (p. 156) **subsp. n.** Oligocene, Germany, **Gerlach**, E.

CILIATA

SPIROTRICHA

Tintinnida.

Calpionellidae **fam. n.** (p. 30) of Calpionellidea q.v. **superfam. n.** ; type-genus *Calpionella* Lorenz 1901 ; also includes *Calpionellopsis* Colom 1948 ; *Tintinnopsella* Colom 1948 ; *Favelloides* Colom 1939 ; *Calpionellites* Colom 1948 ; *Stenosemellopsis* Colom 1948 ; *Amphorellina* Colom 1948 ; *Salpingellina* Colom 1948 ; *Rhabdonelloides* Colom 1939 and *Coxliellina* Colom 1939 ; Portlandian to Barremian, **Bonet**, F. (**1**).

Calpionellidea **superfam. n.** (p. 30) of Tintinnina, for all Tithonian–Aptian species, forms with a calcitic shell, includes 2 new families Calpionellidae and Colomiellidae **fams. n.** q.v., **Bonet**, F. (**1**).

Calpionellites uncinata (p. 422) **sp. n.** Cretaceous, Italy, **Cita**, M. B. & **Pasquaré**, C.

Campbelliella **gen. n.** (p. 79) of Tintinnina, genotype *C. mileši* **sp. n.** (p. 80) Cretaceous, Yugoslavia; **Radoičić**, R. (**3**).

Colomiella **gen. n.** (p. 42) of Colomiellidae **fam. n.** q.v., type sp. *Colomiella mexicana* (p. 42) ; *C. recta* (p. 45) ; **spp. n.** Cretaceous, Mexico, **Bonet**, F. (**1**).

Colomiellidae **fam. n.** (p. 41) of Calpionellidea q.v. **superfam. n.** ; type-genus *Colomiella* **gen. n.** q.v. Aptian, **Bonet**, F. (**1**).

Daturellina **gen. n.** (p. 80) of Tintinnina, genotype *D. zetica* **sp. n.** (p. 80) Cretaceous, Yugoslavia, **Radoičić**, R. (**3**).

Favelloides liliformis **sp. n.** (p. 81) Cretaceous, Yugoslavia, **Radoičić**, R. (**3**).

Tintinnidea **superfam. n.** (p. 29) of Tintinnina, for all recent species and a Jurassic and Pliocene form, with organic shells, **Bonet**, F. (**1**).

Tintinnopsella bešići **sp. n.** (p. 81) Cretaceous, Yugoslavia, **Radoičić**, R. (**3**).

Vautrinella lapparenti (p. 62) **gen. n. et sp. n.** Devonian, Sahara [non descr.], **Cuvillier**, J.

PROTISTA INCERTAE SEDIS

Actinotheca aphroditae (p. 9) **sp. n.** Cretaceous, Australia, **Cookson**, I. C. & **Eisenack**, A. (**1**).

Antrosphaera **gen. n.** (p. 111) ; [possibly related to *Leiosphaeridia ?*] ; type sp. *A. calloviensis* (p. 112) **sp. n.** Jurassic, Yorkshire, **Sarjeant**, W. A. S. (**4**).

Calcisphaerula **gen. n.** (p. 55) of Calcisphaerulidae **fam. n.** q.v. type sp. *C. innominata* (p. 57) **sp. n.** Cretaceous, Mexico, **Bonet**, F. (**1**).

Calcisphaerulidae **fam. n.** (p. 50) type-genus *Calcisphaerula* **gen. n.** q.v., Carboniferous to Recent, Mexico, **Bonet**, F. (**1**).

Chiphragmalithus **gen. n.** (p. 156) of Incertae Sedis, type sp. *C. calathus* (p. 156) ; *C. acanthodes* (p. 156) ; *C. ? quadratus* (p. 157) **spp. n.** Eocene, California, **Bramlette**, M. N. & **Sullivan**, F. R.

Chlamydophorella urna (p. 10) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Cirrifera **gen. n.** (p. 10) of Incertae Sedis, type sp. *C. unilateralis* (p. 10) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Codonia (p. 11) **gen. n.** of Incertae Sedis, type sp. *C. campanulata* (p. 11) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Diplofusa **gen. n.** (p. 10) of Incertae Sedis, type sp. *D. gearlensis* (p. 10) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Diplotesta luna (p. 10) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Disphaeria (p. 11) **gen. n.** of Incertae Sedis, type sp. *D. macropyla* (p. 11) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Fasciculithus **gen. n.** (p. 164) of Incertae Sedis, type sp. *F. involutus* (p. 164) **sp. n.** Palaeocene, California, **Bramlette, M. N. & Sullivan, F. R.**

Gillinia **gen. n.** (p. 11) of Incertae Sedis, type sp. *G. hymenophora* (p. 12) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Guembelina Kuntz 1895, discussed on the basis of the original figures and descriptions, **Loeblich, A. R. & Tappan, H. (4).**

Hexagonifera (p. 73) **gen. n.** type-species *H. glabra* (p. 74), *H. vermiculata* (p. 74) **spp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (2).**

Ladinosphära **gen. n.** (p. 44) of Incertae Sedis, type sp. *L. geometrica* (p. 44) **sp. n.** Austria, Trias, **Oberhauser, R.**

Microaulopora Kuntz 1895, discussed on the basis of the original figures and descriptions, **Loeblich, A. R. & Tappan, H. (4).**

Microcalamoides **gen. n.** (p. 47) type sp. *M. diversus* (p. 47) **sp. n.** Cretaceous, Mexico, **Bonet, F. (1).**

Nannoconus dolomiticus (p. 426) **sp. n.** Cretaceous, Italy, **Cita, M. B. & Pasquaré, C.**

Palaeobion **gen. n.** (p. 338) of " Egg-like " Microfossils Incertae Sedis, type sp. *P. catenatum* (p. 338) **sp. n.** Cretaceous, Denmark, **Wetzel, O.**

Palaeostomocystis apiculata (p. 12) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Palambages **gen. n.** (p. 338) of " Egg-like " Microfossils Incertae Sedis, type sp. *P. morulosa* (p. 338) **sp. n.** Baltic, Cretaceous, **Wetzel, O.**

Pithonella trejoi (p. 73) **sp. n.** Cretaceous, Mexico, **Bonet, F. (1).**

Platycystidia **gen. n.** (p. 12) of Incertae Sedis, type sp. *P. diptera* **sp. n.** (p. 14); Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Pterospermopsis harti (p. 402) **sp. n.** Yorkshire, Jurassic, **Sarjeant, W. A. S. (3).**

Rhomboaster **gen. n.** (p. 165) of Incertae Sedis, type sp. *R. cuspis* (p. 166) **sp. n.** Palaeocene, California, **Bramlette, M. N. & Sullivan, F. R.**

Stomiosphaera sphaerica (Kaufmann) **comb. n.** (p. 64) pro " *Lagena* " *sphaerica* Kaufmann; *S. similis* (p. 67); *S. conoidea* (p. 68); **spp. n.** Mexico, Cretaceous, **Bonet, F. (1).**

Toolongia **gen. n.** (p. 14) of Incertae Sedis, type sp. *T. medusoides* (p. 14) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Triblastula nuda (p. 340); *T. tubulata* (p. 340); *T. quasicribrata* (p. 340) **spp. n.** Cretaceous, Baltic, **Wetzel, O.**

Trigonopyxis **gen. n.** (p. 11) of Incertae Sedis, type sp. *T. ginella* (p. 11) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Wanaea fimbriata (p. 112) **sp. n.** Jurassic, Yorkshire, **Sarjeant, W. A. S. (4).**

Xenicodinium **gen. n.** (p. 53) of Incertae Sedis, type sp. *X. densispinosum* (p. 54) **sp. n.** Jurassic, Germany, **Klement, K. W.**

Xenikoon **gen. n.** (p. 14) of Incertae Sedis, type sp. *X. australis* (p. 16) **sp. n.** Cretaceous, Australia, **Cookson, I. C. & Eisenack, A. (1).**

Chitinozoa.

Ancyrochitina cornigera (p. 18); *A. megastyla* (p. 19) **spp. n.** Devonian, Illinois, USA, **Collinson, C. & Scott, A. J.**; *A. effusa* (p. 137) **sp. n.** France, Silurian, **Taugourdeau, P.**

Angochitina milanensis (p. 11); *A. globosa* (p. 15) **spp. n.** Devonian, Illinois, USA, **Collinson, C. & Scott, A. J.**

Clathrochitina aquitanica (p. 139); *C. eisenacki* (p. 139) **spp. n.** France, Silurian, **Taugourdeau, P.**

Conochitina aculeata (p. 139); *C. communis* (p. 139); *C. (?) inflata* (p. 140); **spp. n.** *C. micracantha granulata* (p. 140) **subsp. n.** *C. parvicollis* (p. 140); *C. pellucida* (p. 141); *C. tomentosa* (p. 141); *C. turris* (p. 141) **spp. n.** France, Silurian, **Taugourdeau, P.**

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Desmochitina lens (p. 146) **sp. n.** France, Silurian, **Taugourdeau, P.**

Earlachitina **gen. n.** (p. 25) of Chitinozoa, type sp. *E. latipes* (p. 25) **sp. n.** Devonian, Illinois, USA, **Collinson, C. & Scott, A. J.**

Pogonochitina **gen. n.** (p. 146) of Chitinozoa, type sp. *P. simplex* (p. 148); *P. grandis* (p. 148); *P. spinifera* (p. 148); **spp. n.** *P. spinifera intermedia* (p. 150) **subsp. n.** France, Silurian, **Taugourdeau, P.**

Rhabdochitina claviformis (p. 150); *R. gallica* (p. 150); *R. truncata* (p. 152); *R. virgata* (p. 152) **spp. n.** France, Silurian, **Taugourdeau, P.**

Sphaerochitina mundana (p. 152) **sp. n.** Silurian, France, **Taugourdeau, P.**; *S. pilosa* (p. 21); *S. schwalbi* (p. 23); *S. nodulosa* (p. 23); **spp. n.** Devonian, Illinois, USA, **Collinson, C. & Scott, A. J.**

Hystrichosphaeridea.

Hystrichosphaeridea, considered to be a heterogeneous group consisting of dinoflagellate cysts and spores; here placed in incertae sedis for the present, **Sarjeant**, W. A. S. (2).

Aiora **gen. n.** (p. 9) of Hystrichosphaeridae, type sp. *Cannosphaeropsis fenestrata* Deflandre & Cookson 1955, Cretaceous, Australia, **Cookson**, I. C. & **Eisenack**, A. (1).

Archaesphaera cambrica (p. 7) **sp. n.** *A. c. crafta* (p. 7) **var. n.** Cambrian, Siberia, **Reitlinger**, E. A. (4).

Baltisphaeridium downiei (p. 138); *B. lumectum* (p. 139) **spp. n.** Jurassic, Dorset, **Sarjeant**, W. A. S. (1); *B. iaculigerum* (p. 57); *B. mixtispinosum* (p. 58); *B. inusitatum* (p. 60) **spp. n.** Jurassic, Germany, **Klement**, K. W.; *B. stimuliferum* (Deflandre 1938) **comb. n.** (p. 100) France, Jurassic; *B. pilosum* (Ehrenberg 1843) **comb. n.** (p. 101); *B. p. longispinosum* (p. 102) **var. n.** Yorkshire; *B. ehrenbergi* (Deflandre 1947) **comb. n.** (p. 103); *B. e. brevispinosum* **var. n.** (p. 103) Jurassic, Yorkshire, **Sarjeant**, W. A. S. (4); *B. timofeevi* (p. 39) **sp. n.** Sahara, Tremadocian, **Deunff**, J. (3); *B. triangulatum* (p. 194) Miocene; *B. pectiniforme* (p. 195); *B. panniforme* (p. 196) Oligocene; **spp. n.** Germany, **Gerlach**, E.

Calcisphaera transporanta (p. 145); *C. rara* (p. 146) **spp. n.** Khovanskian, Russia, **Reitlinger**, E. A. (5).

Cannosphaeropsis paucispina (p. 72) **sp. n.** Jurassic, Germany, **Klement**, K. W.; *C. pulchra* (p. 37) Coniacian; *C. perforata* (p. 37); *C. speciosa* (p. 37) Dogger; **spp. n.** Germany, **Alberti**, G.; *C. tutulosa* (p. 8) **sp. n.** *C. filifera* **comb. n.** (p. 8) pro *C. utinensis filifera* Cookson & Eisenack 1958; *C. hyperacantha* (p. 9) **sp. n.** Cretaceous, Australia, **Cookson**, I. C. & **Eisenack**, A. (1).

Coronopsis **gen. n.** (p. 343) of Hystrichosphaeridea ?, type sp. *C. digitata* (p. 343) **sp. n.** Baltic, Cretaceous, **Wetzel**, O.

Cyclonephelium reticulosum (p. 204); *C. laciniiforme* (p. 206) **spp. n.** Oligocene, Germany, **Gerlach**, E.

Cymatiogalea **gen. n.** (p. 41) of Leiofusidae, type sp. *C. margaritata* (p. 42); *C. pudica* (p. 42); *C. membranispina* (p. 42); *C. bellicosa* (p. 42), **spp. n.** Sahara, Tremadocian, **Deunff**, J. (3).

Cymatiosphaera boulouardi (p. 40); *C. el gassiensse* (p. 40) **spp. n.** Sahara, Tremadocian, **Deunff**, J. (3); *C. kraeuseli* (p. 5), *C. flosdevonica* (p. 5) **spp. n.** Devonian, Belgium, **Stockmans**, F. & **Willière**, Y.; *C. pentaster* (p. 416); *C. tetraster* (p. 416); *C. perimembrana* (p. 417) **spp. n.** Devonian, Alberta, Canada, **Staplin**, F. L.; *C. pygmaeis* (p. 33); *C. celtica* (p. 33); *C. mirabilis* (p. 34); **spp. n.** France, Ordovician, **Deunff**, J. (1); *C. teichophera* (p. 107) **sp. n.** Jurassic, Yorkshire, **Sarjeant**, W. A. S. (4).

Deunffia **gen. n.** (p. 198) of Hystrichosphaeridea, type sp. *D. monospinosa* (p. 198); *D. brevispinosa* (p. 198); *D. ramusculosa* (p. 199); *D. furcata* (p. 199) **spp. n.** Silurian, England, **Downie**, C. (2).

Dictyosphaeridiae **fam. n.** (p. 73) of Hystrichosphaeridea, pro *Dictyosphaeridium* W. Wetzel 1952, *Dictyotidium* Eisenack 1955 and *Epiplosphaera* **gen. n.** q.v. Jurassic, Germany, **Klement**, K. W.

Dictyotidium Eisenack 1955 emend. (p. 417) type sp. *D. dictyotum* (Eisenack) Eisenack 1955; *D. polygonium* (p. 417); *D. polosymmetrium* (p. 417); **spp. n.** Devonian, Alberta, Canada, **Staplin**, F. L.

Diornatosphaera **gen. n.** (p. 345) of Diornatosphaeridae **fam. n.**, type sp. *D. angusta* (p. 345) **sp. n.** Ordovician, England, **Downie**, C. (1); *D. constricta* (p. 43); *D. lineata* (p. 44); *D. divisa* (p. 44); *D. phaseolus* (p. 44); *D. tuber* (p. 44); *D. ignorata* (p. 44) **spp. n.** Sahara, Tremadocian, **Deunff**, J. (3).

Diornatosphaeridae **fam. n.** (p. 345) of Hystrichosphaeridea, pro *Diornatosphaera* **gen. n.** q.v. Ordovician, England, **Downie**, C. (1).

Domasia **gen. n.** (p. 199) of Hystrichosphaeridea, type sp. *D. trispinosa* (p. 199); *D. bispinosa* (p. 200); *D. elongata* (p. 200) **spp. n.** Silurian, England, **Downie**, C. (2).

Duvernaysphaera **gen. n.** (p. 414) of Hystrichosphaerida, type sp. *D. tenuicingulata* (p. 415) **sp. n.** Devonian, Alberta, Canada, **Staplin**, F. L.

Ellipsoidictyum **gen. n.** (p. 78) of Familia Incertae (Hystrichosphaeroidea) type sp. *E. cinctum* (p. 78) **sp. n.** Jurassic, Germany, **Klement**, K. W.

Epiplosphaera **gen. n.** (p. 73) of Dictyosphaeridiae **fam. n.** q.v., type sp. *E. bireticulata* (p. 74); *E. reticulospinosa* (p. 75); *E. areolata* (p. 76); **spp. n.** Jurassic, Germany, **Klement**, K. W.

Hystrichosphaera cornuta **sp. n.** (p. 180) Oligocene, Germany, **Gerlach**, E.; *H. tertiaria* (p. 515) **sp. n.** Oligocene, Germany, **Eisenack**, A. & **Gocht**, H.

Hystrichosphaeridium ancoriferum (p. 8) **sp. n.** Cretaceous, Australia, **Cookson**, I. C. & **Eisenack**, A. (1); *H. aquitanicum* (p. 39) **sp. n.** Sahara, Tremadocian, **Deunff**, J. (3); *H. cribrotubiferum* (p. 137) **sp. n.** Jurassic, Dorset, **Sarjeant**, W. A. S. (1); *H. eisenackianum* (p. 23) **sp. n.** *H. e. crozonensis* (p. 24) **var. n.** *H. lucidum* (p. 25) **sp. n.** France, Ordovician, **Deunff**, J. (1); *H. floripes breviradiatum* (p. 44) **subsp. n.** *H. paucifurcatum* (p. 44) **sp. n.** Tertiary, Rottnest Is., **Cookson**, I. C. & **Eisenack**, A. (3); *H. hirsutoides hamatum* (p. 335) **var. n.** *H. longispinosum uncinatum* (p. 337) **var. n.** *H. tuberatum* (p. 338); *H. cristatum* (p. 338); *H. veliferum* (p. 340) **spp. n.** Ordovician, England, **Downie**, C. (1).

Hystrichosphaerina **gen. n.** (p. 38) of Hystrichosphaeridae, type sp. *H. schindewolfi* (p. 38); *H. turonica* (p. 39) Turonian; **spp. n.** Germany, **Alberti**, G.

Leiofusa squama (p. 40) **sp. n.** Sahara, Tremadocian, **Deunff**, J. (3).

Leiosphaeridia fragile (p. 344) **sp. n.** Ordovician, England, **Downie**, C. (1).

Leiosphaeridium Timofeev 1959, emend. (p. 407) [regarded here as a new generic taxon]; Timofeev 1959, cited *Leiosphaeridium* Eisenack 1938, emend. Timofeev; alteration of *Leiosphaera* to *Leiosphaeridium* is not valid; type sp. *Leiosphaeridium eisenackii* Timofeev 1959; *L. fastigatirugosum* (p. 408) **sp. n.** Devonian, Alberta, Canada, **Staplin**, F. L.

Membranilarnax (?) *pirus* (p. 35) **sp. n.** France Ordovician, **Deunff**, J. (1).

Membranophoridium **gen. n.** (p. 198) of Hystrichosphaeridae, type sp. *M. aspinatum* (p. 199); *M. partispinatum* (p. 201); *M. multispinatum* (p. 203) Oligocene **spp. n.** Germany, **Gerlach, E.**

Micrhystridium (Deflandre 1937) emend. (p. 408), type sp. *M. inconspicuum* (Defl.) Defl. 1937; *M. breviciliatum* (p. 408); *M. echinosum* (p. 408); *M. angustum* (p. 409); *M. spinoglobosum* (p. 409); *M. bistchoensis* (p. 409); *M. vigintispinum* (p. 409); *M. albertensis* (p. 409); *M. octospinosum* (p. 410); *M. duvernayensis* (p. 410); *M. crassiechinatum* (p. 410) **spp. n.** Devonian, Alberta, Canada, **Staplin, F. L.**; *M. (?) incertum* (p. 31) **sp. n.** France, Ordovician, **Deunff, J. (1)**; *M. rarispinum* (p. 400); *M. tetraxis* (p. 401) **spp. n.** Yorkshire, Jurassic, **Sarjeant, W. A. S. (3)**; *M. shinetonensis* (p. 342); *M. robustum* (p. 344) **spp. n.** Ordovician, England, **Downie, C. (1)**; *M. tornacense* (p. 4), *M. micropolygonale* (p. 4) **spp. n.** Devonian, Belgium, **Stockmans, F. & Willière, Y.**

Multiplicisphaeridium **gen. n.** (p. 410) of Hystrichosphaerida, type sp. *M. ramispinosum* (p. 411); *M. truncatum* (p. 411); *M. ? sprucegrovensis* (p. 411); *M. spicatum* (p. 411); **spp. n.** Devonian, Alberta, Canada, **Staplin, F. L.**

Paleopedicystus **gen. n.** (p. 418) of Hystrichosphaerida, type sp. *P. rodeoensis* (p. 418) **sp. n.** Devonian, Alberta, Canada, **Staplin, F. L.**

Polyedryxium nasicum (p. 3), *P. belgicum* (p. 3) **spp. n.** Devonian, Belgium, **Stockmans, F. & Willière, Y.**

Polystephanephorus **gen. n.** (p. 1096) of Hystrichosphaeridae, type sp. *P. calathus* (Sarjeant 1961); also includes *P. paracalathus* (Sarjeant 1960) and *P. urnaformis* (Cookson 1953). **Sarjeant, W. A. S. (5).**

Polystephanosphaera **gen. n.** (p. 140) of Hystrichosphaeridae, type sp. *P. valensii* (p. 142); *P. paracalathus* (p. 143) **spp. n.** also includes *P. urnaformis* (Cookson 1953) and *P. calathus* (Sarjeant 1960) both previously assigned to *Cannosphaeropsis*, Jurassic, Dorset, **Sarjeant, W. A. S. (1)**; *P. calathus* (p. 104) **sp. n.** Jurassic, Yorkshire, **Sarjeant, W. A. S. (4)**; *Polystephanosphaera* Sarjeant 1960, is a junior homonym of *Systematophora* Klement 1960, **Sarjeant, W. A. S. (5).**

Priscogalea **gen. n.** (p. 40) of Leiofusidae, type sp. *P. barbara* (p. 41); *P. cuvillieri* (p. 41); *P. columellifera* (p. 41); *P. multarea* (p. 41); *P. cortinula* (p. 41); *P. simplex* (p. 41); *P. furcata* (p. 41); *P. multiclaustra* (p. 41) **spp. n.** Sahara, Tremadocian, **Deunff, J. (3).**

Priscotheca **gen. n.** (p. 42) of Leiofusidae, type sp. *P. raia* (p. 43); *P.* cf. *prismatica* (p. 43); *P. minima* (p. 43); *P. tumida* (p. 43); *P. complanata* (p. 43) **spp. n.** Sahara, Tremadocian, **Deunff, J. (3).**

Protoleiosphaeridium minutum (p. 405); *P. orbiculatum* (p. 405); *P. microgranifer* (p. 405); *P. major* (p. 406); *P. diaphanium* (p. 406); *P. granulosum* (p. 406); *P. papillatum* (p. 406); *P. microsaetosum* (p. 407); *P. cryptogranulosum* (p. 407); *P. parvigranulosum* (p. 407); **spp. n.** Devonian, Alberta, Canada, **Staplin, F. L.**

Radiosphaera ponderosa (p. 147); *R. irregularis* (p. 147); *R. complicata* (p. 147) **spp. n.** Khovanskian, Russia, **Reitlinger, E. A. (5).**

Stephanelytron **gen. n.** (p. 109) of ? Hystrichosphaeridia, type sp. *S. redcliffense* (p. 109); *S. caytonense* (p. 110); *S. scarburghense* (p. 111); **spp. n.** Jurassic, Yorkshire, **Sarjeant, W. A. S. (4).**

Systematophora **gen. n.** (p. 61) of Hystrichosphaeridae, type sp. *S. areolata* (p. 62); *S. fasciculigera* (p. 65); *S. orbifera* (p. 66) **spp. n.** Jurassic, Germany, **Klement, K. W.**

Taeniophora **gen. n.** (p. 67) of Hystrichosphaeridae, type sp. *T. iunctispina* (p. 68) **sp. n.** *T. i. iunctispina* (p. 69); *T. i. filamentosa* (p. 70) **subspp. n.** Jurassic, Germany, **Klement, K. W.**

Thalassiphora **gen. n.** (p. 512) of Hystrichosphaeroida, type sp. *T. pelagica* (Eisenack 1954); also includes *T. velata* (Deflandre & Cookson 1955) Oligocene, Germany, **Eisenack, A. & Gocht, H.**

Veryhachium brevitrispinum (p. 412); *V. polyaster* (p. 413); **spp. n.** *V. p. hexaster* (p. 413) **var. n.** *V. octoaster* (p. 413); *V. minor* (p. 414); *V. duodeciaster* (p. 414); *V. sedecimspinosum* (p. 414) **spp. n.** Devonian, Alberta, Canada, **Staplin, F. L.**; *V. formosum* (p. 2), *V. europaeum* (p. 3) **spp. n.** Devonian, Belgium, **Stockmans, F. & Willière, Y.**; *V. ? irregulare* **sp. n.** (p. 208) Permo-Trias, Yugoslavia, **Jekhowsky, B. de**; *V. minutum* (p. 344) **sp. n.** Ordovician, England, **Downie, C. (1)**; *V. triaulcum reductum* (p. 27) **var. n.** *V. t. venetum* (p. 27) **var. n.** *V. stelligerum robustum* (p. 28) **var. n.** *V. (?) macroceros* (p. 30); *V. clava* (p. 31) **spp. n.** France, Ordovician, **Deunff, J. (1).**

Vicinesphaera eosqualida (p. 8) **sp. n.** Cambrian, Siberia, **Reitlinger, E. A. (4).**

Vulcanisphaera **gen. n.** (p. 42) of Leiofusidae, type sp. *V. africana* (p. 42); *V. nebulosa* (p. 42) **spp. n.** Sahara, Tremadocian, **Deunff, J. (3).**

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* Obtainable only from the Commonwealth Institute of Entomology, 56 Queen's Gate, London, S.W.7.

Printed by Taylor & Francis Ltd., Red Lion Court, Fleet Street, London, E.C.4.